

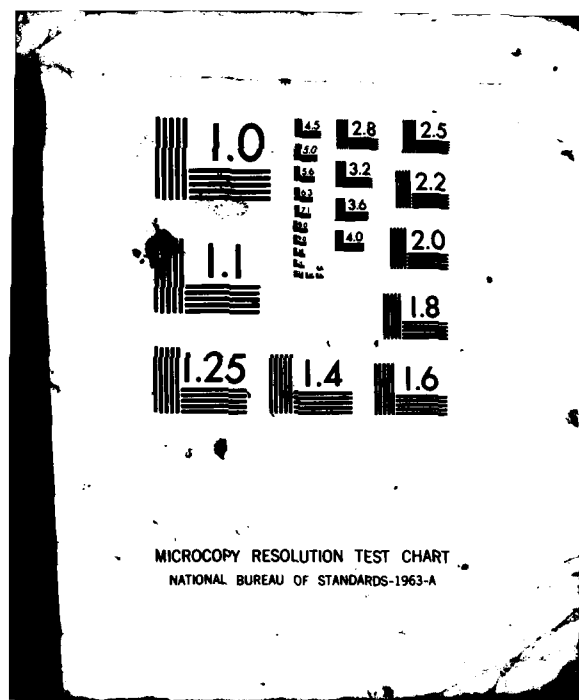
OFFICE OF THE SECRETARY OF DEFENSE WASHINGTON DC F/G 5/1  
DEPARTMENT OF THE ARMY JUSTIFICATION OF ESTIMATES FOR FISCAL YE--ETC(U)  
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**DEPARTMENT OF THE ARMY**  
**JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1983**  
**SUBMITTED TO CONGRESS**

**FEBRUARY 1982**



PART 5 OF 7 PARTS  
(OTHER)

PART 6 OF 7 PARTS  
(NATIONAL GUARD  
EQUIPMENT)

PART 7 OF 7 PARTS  
(PEMA)

**PROCUREMENT**

**PROGRAMS**

**AIRCRAFT**

**MISSILES**

**WEAPONS & TRACKED COMBAT VEHICLES**

**AMMUNITION**

**OTHER**

**NATIONAL GUARD EQUIP**

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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1. REPORT NUMBER	2. GOVT ACCESSION NO. AD-A113	3. RECIPIENT'S CATALOG NUMBER 361
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Army Procurement Programs Budget Justification Book covering Aircraft, Missiles, Weapons and Tracked Combat Vehicles, Ammunition and Other Procurement, Army Appropriations programs submitted by the Army to Congress February 1982 for Fiscal Year 1983		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) In justification of programs requested, this document, in separate volume for each of the five Procurement Appropriations, provides backup data for the Army Budget submission for FY 1983. Included are Summaries of Requirements, Program and Financing Statements and Selected Data Sheets. (This document has been declassified for NTIS distribution).		

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

February 1982

DEPARTMENT OF THE ARMY  
PROCUREMENT APPROPRIATIONS

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1983, 1984

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DEPARTMENT OF THE ARMY  
OTHER PROCUREMENT, ARMY

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1983, 1984

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OTHER PROCUREMENT, ARMY

Section 1

Budget Appendix Extract

Language

Program and Financing Schedule

Object Classification Schedule

#### APPROPRIATION LANGUAGE

For construction, procurement, production, and modification of vehicles, including tactical, support (including not to exceed (14) 20 vehicles required for physical security of personnel notwithstanding price limitations applicable to passenger carrying vehicles but not to exceed (100,000) 110,000 per vehicle, and nontracked combat vehicles; the purchase of not to exceed (two thousand seven hundred and fifteen) two thousand twenty five passenger motor vehicles for replacement only; communications and electronic equipment; other support equipment; spare parts, ordnance and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefor, without regard to section 4774, title 10, United States Code, for the foregoing purposes, and such lands and interest therein, may be acquired, and construction prosecuted thereon prior to approval of title as required by section 335, Revised Statutes, as amended; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor owned equipment layaway; and other expenses necessary for the foregoing purposes: (\$3,721,971) \$4,567,491,000 to remain available for obligation until September 30 (1984) 1985

(10 U. S.C. 2353, 3012,4531, 4532, 31 U.S.C. 649c; Department of Defense Appropriation Act, 1982)

#### EXPLANATION OF LANGUAGE CHANGES

- (1) To change the number of vehicles required for physical security of personnel authorized for procurement in 1983.
- (2) To change the approved maximum procurement unit cost for vehicles required for physical security which will be procured in 1983.
- (3) To change the number of passenger carrying vehicles authorized for procurement.
- (4) To change the amount of appropriation requested for FY 1983.
- (5) To change the obligation expiration date for the FY 1983 program.



Army

Other Procurement, Army

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## Program and Financing (in thousands of dollars)

Identification code	21-2035-0-1-001	Budget plan (amounts for procurement actions programmed)			Obligations		
		1961 actual	1962 est.	1963 est.	1961 actual	1962 est.	1963 est.
<b>Program by activities:</b>							
<b>Direct:</b>							
1.	Tactical and support vehicles	459,180	1,009,200	1,256,500	382,237	729,249	1,116,880
2.	Communications and electronics equipment	1,884,898	1,551,573	2,339,184	1,519,810	1,395,974	2,095,000
3.	Other support equipment	797,252	1,145,096	971,627	640,896	837,446	964,761
	<b>Total direct</b>	<b>2,841,348</b>	<b>3,705,871</b>	<b>4,567,491</b>	<b>2,543,143</b>	<b>3,062,669</b>	<b>4,196,641</b>
	<b>Reimbursable program</b>	<b>429,539</b>	<b>554,500</b>	<b>544,100</b>	<b>357,306</b>	<b>334,568</b>	<b>284,423</b>
10.0001	<b>Total</b>	<b>3,270,887</b>	<b>4,260,371</b>	<b>5,111,591</b>	<b>2,900,449</b>	<b>3,397,237</b>	<b>4,481,064</b>
<b>Financing:</b>							
<b>Offsetting collections from:</b>							
11.0001	Federal funds	-265,777	-98,300	-85,200	-251,453	-98,300	-85,200
13.0001	Trust funds	-158,775	-256,200	-158,800	-163,485	-256,200	-158,800
14.0001	Non-federal sources	-967			-984		
17.0001	Recoveries of prior year obligations(-)				-48,056		
	<b>Unobligated balance available, start of year:</b>						
21.4001	For completion of prior year budget plans				-645,621	-984,184	-1,647,396
21.4002	Reprogramming from or to prior year budget plan	-34,297					
23.4001	Unobligated balance transferred to other accounts	4,900			4,900		
24.4001	Unobligated balance available, end of year				984,184	1,647,396	1,677,928
25.0001	Unobligated balance lapsing	29,397			29,397		
39.0001	<b>Budget authority</b>	<b>2,841,348</b>	<b>3,705,871</b>	<b>4,567,491</b>	<b>2,841,348</b>	<b>3,705,871</b>	<b>4,567,491</b>
<b>Budget authority:</b>							
40.0001	Appropriation	2,822,406	3,721,971	4,567,491	2,822,406	3,721,971	4,567,491
41.0001	Transferred to other accounts(-)	-2,000	-18,100		-2,000	-18,100	
43.0001	Appropriation (adjusted)	2,820,406	3,705,871	4,567,491	2,820,406	3,705,871	4,567,491
50.0001	Reappropriation	20,940			20,940		
<b>Relation of obligations to outlays:</b>							
71.0001	Obligations incurred, net				2,514,547	3,042,667	4,236,964
72.4001	Obligated balance, start of year				2,077,619	2,946,646	3,772,403
74.4001	Obligated balance, end of year				-2,946,646	-3,772,403	-5,088,087
77.0001	Adjustments in expired accounts				38,789		
78.0001	Adjustments in unexpired accounts				-48,056		
90.0001	<b>Outlays</b>				<b>1,637,225</b>	<b>2,219,100</b>	<b>2,977,980</b>

Army

Other Procurement, Army

06 FEB 62

Object Classification (in thousands of dollars)

Identification code	21-2035-0-1-061	1961 actual	1962 est.	1963 est.
<b>Direct obligations:</b>				
<b>Other services:</b>				
125.004	Other	797,318	1,208,897	1,103,827
126.001	Supplies and materials	211,004	325,669	307,816
131.001	Equipment	1,634,820	1,527,003	2,784,898
199.001	<b>Total direct obligations</b>	<b>2,643,142</b>	<b>3,062,569</b>	<b>4,196,541</b>
<b>Reimbursable obligations:</b>				
<b>Other services:</b>				
225.004	Other	123,666	138,536	82,557
226.001	Supplies and materials	32,727	38,400	23,219
231.001	Equipment	230,911	169,682	176,647
299.001	<b>Total reimbursable obligations</b>	<b>387,304</b>	<b>346,618</b>	<b>282,423</b>
999.001	<b>Total obligations</b>	<b>3,030,446</b>	<b>3,409,187</b>	<b>4,478,964</b>

Army

Other Procurement, Army

08 FEB 62

Program and Financing (in thousands of dollars)

1979 Fiscal year program

Identification code	21-2035-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1961 actual	1962 est.	1963 est.	1961 actual	1962 est.	1963 est.
<b>Program by activities:</b>							
<b>Direct:</b>							
1.	Tactical and support vehicles				2,778		
2.	Communications and electronics equipment				61,120		
3.	Other support equipment				24,306		
	<b>Total direct</b>				108,204		
	Reimbursable program				17,714		
10.0001	<b>Total</b>				125,918		
<b>Financing:</b>							
<b>Offsetting collections from:</b>							
11.0001	Adjustment to prior year federal fund order				5,481		
13.0001	Adjustment to prior year trust fund orders				2,146		
14.0001	Adjustment to non-federal sources				3		
17.0001	Recoveries of prior year obligations(-)				-1,648		
	<b>Unobligated balance available, start of year:</b>						
21.4001	For completion of prior year budget plans				-161,297		
21.4002	Reprogramming from or to prior year budget plan						
25.0001	<b>Unobligated balance lapsing</b>				29,997		
40.0001	<b>Budget authority</b>						

Army

Other Procurement, Army

08 FEB 82

Program and Financing (in thousands of dollars)		1980 Fiscal year program					
Identification code	21-2035-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1981 actual	1982 est.	1983 est.	1981 actual	1982 est.	1983 est.
<b>Program by activities:</b>							
<b>Direct:</b>							
1.	Tactical and support vehicles				12,075	1,725	
2.	Communications and electronics equipment				266,696	88,740	
3.	Other support equipment				50,389	29,056	
	<b>Total direct</b>				<b>329,160</b>	<b>119,521</b>	
	Reimbursable program				52,436	19,706	
10.0001	<b>Total</b>				<b>381,596</b>	<b>139,227</b>	
<b>Financing:</b>							
Offsetting collections from:							
11.0001	Adjustment to prior year federal fund order				-1,187		
13.0001	Adjustment to prior year trust fund orders				4,164		
17.0001	Recoveries of prior year obligations(-)				-44,410		
	Unobligated balance available, start of year:						
21.4001	For completion of prior year budget plans				-484,324	-139,229	
21.4002	Reprogramming from or to prior year budget plan	-4,900					
23.4001	Unobligated balance transferred to other accounts	4,900			4,900		
24.4001	Unobligated balance available, end of year				139,229		
40.0001	Budget authority						

Army

## Other Procurement, Army

06 FEB 82

Program and Financing (in thousands of dollars)		1981 Fiscal year program					
Identification code	21-2035-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1981 actual	1982 est.	1983 est.	1981 actual	1982 est.	1983 est.
<b>Program by activities:</b>							
<b>Direct:</b>							
1.	Tactical and support vehicles	459,180			367,384	41,268	50,508
2.	Communications and electronics equipment	1,884,696			1,172,094	238,463	174,339
3.	Other support equipment	787,292			866,301	143,323	87,669
<b>Total direct</b>		<b>2,841,348</b>			<b>2,105,779</b>	<b>423,054</b>	<b>312,516</b>
<b>Reimbursable program</b>		<b>426,539</b>			<b>317,164</b>	<b>66,732</b>	<b>42,653</b>
10.0001	<b>Total</b>	<b>3,267,887</b>			<b>2,422,933</b>	<b>489,786</b>	<b>355,169</b>
<b>Financing:</b>							
<b>Offsetting collections from:</b>							
11.0001	Federal funds	-255,777			-255,777		
13.0001	Trust funds	-169,775			-169,775		
14.0001	Non-federal sources	-987			-987		
21.4001	Unobligated balance available, start of year					-844,955	-385,169
24.4001	Unobligated balance available, end of year				844,955	355,169	
39.0001	<b>Budget authority</b>	<b>2,841,348</b>			<b>2,841,348</b>		
<b>Budget authority:</b>							
40.0001	Appropriation	2,822,408			2,822,408		
41.0001	Transferred to other accounts(-)	-2,000			-2,000		
43.0001	Appropriation (adjusted)	2,820,408			2,820,408		
50.0001	Reappropriation	20,940			20,940		

Army

Other Procurement, Army

08 FEB 82

## Program and Financing (in thousands of dollars)

1982 Fiscal year program

Identification code	21-2035-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations			
		1981 actual	1982 est.	1983 est.	1981 actual	1982 est.	1983 est.	
<b>Program by activities:</b>								
<b>Direct:</b>								
1.	Tactical and support vehicles	1,009,200			686,256	211,932		
2.	Communications and electronics equipment	1,551,575			1,068,671	330,030		
3.	Other support equipment	1,145,096			765,065	236,270		
	<b>Total direct</b>	<b>3,705,871</b>			<b>2,519,992</b>	<b>778,232</b>		
	Reimbursable program	354,500			248,150	70,900		
10.0001	<b>Total</b>	<b>4,060,371</b>			<b>2,768,142</b>	<b>849,132</b>		
<b>Financing:</b>								
<b>Offsetting collections from:</b>								
11.0001	Federal funds	-98,300			-98,300			
12.0001	Trust funds	-256,200			-256,200			
21.4001	Unobligated balance available, start of year					-1,292,229		
24.4001	Unobligated balance available, end of year				1,292,229	443,067		
99.0001	<b>Budget authority</b>	<b>3,705,871</b>			<b>3,705,871</b>			
<b>Budget authority:</b>								
40.0001	Appropriation	3,721,871			3,721,871			
41.0001	Transferred to other accounts(-)	-16,100			-16,100			
43.0001	Appropriation (adjusted)	3,705,871			3,705,871			

5-8 February 1982

Army

Other Procurement, Army

06 FEB 82

Program and Financing (in thousands of dollars)

1983 Fiscal year program

Identification code	21-2035-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1981 actual	1982 est.	1983 est.	1981 actual	1982 est.	1983 est.
Program by activities:							
Direct:							
	1. Tactical and support vehicles			1,206,500			854,420
	2. Communications and electronics equipment			2,339,184			1,590,831
	3. Other support equipment			871,627			660,642
	Total direct			4,867,481			3,105,893
	Reimbursable program			244,100			170,870
10.0001	Total			4,811,681			3,276,763
Financing:							
Offsetting collections from:							
11.0001	Federal funds			-85,200			-85,200
13.0001	Trust funds			-156,800			-156,800
24.4001	Unobligated balance available, end of year						1,534,836
40.0001	Budget authority			4,867,481			4,867,481

5-9, February 1982

Army

Other Procurement, Army

06 FEB 82

(Supplemental new requested under existing legislation)

Program and Financing (in thousands of dollars)

Identification code	21-2035-1-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1981 actual	1982 est.	1983 est.	1981 actual	1982 est.	1983 est.
Program by activities:							
Direct:							
10.0001	Total		20,000			13,600	4,200
Financing:							
21.4001	Unobligated balance available, start of year						-6,400
24.4001	Unobligated balance available, end of year					6,400	2,200
40.0001	Budget authority (appropriation)		20,000			20,000	
Relation of obligations to outlays:							
71.0001	Obligations incurred, net					13,600	4,200
72.4001	Obligated balance, start of year						12,000
74.4001	Obligated balance, end of year					-12,000	-9,000
80.0001	Outlays					1,600	7,200

3-10 February 1982



Army

Other Procurement, Army

06 FEB 62

(Supplemental now requested under existing legislation)

Object Classification (in thousands of dollars)

Identification code	21:2035-1-1-051	1961 actual	1962 est.	1963 est.
131.001	Equipment	.....	13,600	4,200
999.901	Total obligations	.....	13,600	4,200

5-11 February 1962

**OTHER PROCUREMENT, ARMY**

**Section 2**

**Introductory Statement**

**5-12 February 1982**

DEPARTMENT OF THE ARMY  
ANNUAL BUDGET ESTIMATES

Appropriation:  
Other Procurement, Army

FY 1983/1984  
Budget

Section 2 - INTRODUCTORY STATEMENT

This appropriation finances the acquisition of: (a) Tactical and commercial vehicles including trucks, semi-trailers, and trailers of all types to provide mobility and utility support to field forces and the worldwide logistical system; (b) communications and electronics equipment of all types to provide fixed, semifixed, and mobile strategic and tactical communications equipment; (c) other support equipment such as chemical defensive equipment, tactical bridging, shop sets, construction equipment, floating and rail equipment, generators and power units, material handling equipment, medical support equipment, special equipment for user testing and nonsystem training devices. In each of these activities funds are also included for modification of in-service equipment, investment spares and repair parts, and production base support.

OTHER PROCUREMENT, ARMY

Section 3

Summary of Requirements

5-14 February 1962

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)			
Appropriation:	FY 1981 Actual	FY 1982 Estimate	FY 1983 Estimate
OTHER PROCUREMENT, ARMY			
Tactical and Support Vehicles	459,160	1,009,200	1,256,500
Communications and Electronics Equipment	1,584,896	1,571,575	2,339,164
Other Support Equipment	797,292	1,145,096	971,827
Total Direct Program	2,841,348	3,725,871	4,567,491
Reimbursable Program	426,539	354,500	244,100
TOTAL PROGRAM REQUIREMENTS	3,267,887	4,080,371	4,811,591
Less: Portion of program to be obligated in subsequent fiscal years	-844,955	-1,298,629	-1,534,828
Plus: Obligations incurred against prior year program funds	+507,516	+ 629,015	+1,208,501
TOTAL OBLIGATIONS	2,930,448	3,410,757	4,485,264

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)	
Appropriation	FY 1984 Estimate
OTHER PROCUREMENT, ARMY	
Tactical and Support Vehicles	1,326,200
Communications and Electronics Equipment	2,102,243
Other Support Equipment	1,371,000
Total Direct Program	4,799,443

**OTHER PROCUREMENT, ARMY**

**Section 4**

**Budget Activity Justifications**

**Activity 1 - Tactical and Support Vehicles**

**Activity 2 - Communications and Electronics Equipment**

**Activity 3 - Other Support Equipment**

**5-17 February 1982**

### 83 JUSTIFICATION BOOK

Department of the Army Annual Budget Estimates JUSTIFICATION Budget Program or Budget Project Account	Appropriation		FY 1983
	Other Procurement, Army		Budget
	(Thousands of Dollars)		
	Actual	Estimate	Estimate
ACTIVITY 1 - TACTICAL AND SUPPORT VEHICLES	FY 1981	FY 1982	FY 1983
Direct Obligation or Direct Budget Plan	\$ 459,160	\$ 1,009,200	\$1,256,500

#### Section 1 - PURPOSE AND SCOPE

These funds provide for the procurement and manufacture of tactical and support vehicles and associated equipment. The tactical vehicles are of the type normally used by operation and support forces, and include prime movers and general purpose vehicles usually equipped with multi-wheel drive to satisfy cross country mobility needs. The support vehicles are of the administrative type which are generally equipped with two-wheel drive and are commercial in nature; included are such items as truck tractors, panel trucks, carryalls and special purpose vehicles.

#### Section 2 - JUSTIFICATION OF FUNDS REQUESTED

The major categories of vehicles included in the request are: Tactical Vehicles - \$1030.5 million for dolly sets, trailers, semitrailers and trucks; Commercial Vehicles - \$78.1 million for vehicles used in administrative support, and maintenance and service tasks worldwide; Support Equipment and Facilities - \$147.9 million for spares and repair parts and production base support.



FORMAT J-1

Department of the Army Annual Budget Estimate <b>JUSTIFICATION</b>	Appropriation Other Procurement, Army	FY 1983 Budget
Budget Program or Budget Project Account	(Thousands of Dollars)	Estimate
<b>ACTIVITY 1 - TACTICAL AND SUPPORT VEHICLES</b>		FY 1984
Direct Obligation or Direct Budget Plan		\$1,326,200

#### Section 1 - PURPOSE AND SCOPE

These funds provide for the procurement and manufacture of tactical and support vehicles and associated equipment. The tactical vehicles are of the type normally used by operation and support forces, and include prime movers and general purpose vehicles usually equipped with multi-wheel drive to satisfy cross country mobility needs. The support vehicles are of the administrative type which are generally equipped with two-wheel drive and are commercial in nature; included are such items as truck tractors, panel trucks, carryalls and special purpose vehicles.

#### Section 2 - JUSTIFICATION OF FUNDS REQUESTED

The major categories of vehicles included in the request are: Tactical Vehicles - \$1039.7 million for dolly sets, trailers, semitrailers and trucks; Commercial Vehicles - \$175.0 million for vehicles used in administrative support, and maintenance and service tasks worldwide; Support Equipment and Facilities - \$111.3 million for spares and repair parts and production base support.

Department of the Army Annual Budget Estimates JUSTIFICATION		Appropriation OTHER PROCUREMENT, ARMY	FY 1983 Budget
Budget Program or Budget Project Account		(In Thousands of Dollars)	
Activity 2 - COMMUNICATIONS AND ELECTRONICS EQUIPMENT	Actual Fiscal Year 1981	Estimate	
		Fiscal Year 1982	Fiscal Year 1983
Direct Obligations or Direct Budget Plan	\$ 1,584,896	\$ 1,571,575	\$ 2,330,164

#### Section 1 - PURPOSE AND SCOPE

These funds provide for procurement, manufacture, depot rebuild facilities equipment, modification and production base support of communications and electronics equipment and high dollar value depot reparable assemblies/components for initial provisioning and replenishment requirements. Funds are included for satellite communications, radio, countermeasures, combat wire communications, night vision, photographic, combat surveillance, target acquisition, strategic, tactical, communications securing and electronics equipment.

#### Section 2- JUSTIFICATION OF FUNDS REQUIRED

This request supports the Army's requirements for both tactical and strategic communications worldwide and includes: \$13.0 million for US Readiness Command Communications; \$288.1 million for Joint Tactical Communications (TRI-TAC); \$297.4 million for Combat Support Communications; \$15.8 million for Strategic Communications (STARCOM/NDSCS); \$18.5 million for Long Haul Communications (DCS); \$276.4 million for Satellite Communications-Ground Environment; \$49.8 million for EUCOM Command, Control, and Communication Systems; \$192.9 million for Communications Security Equipment; \$50.2 million for Base Communications; \$44.5 million for National Military Command System Communications; and \$18.5 million for Test, Measurement, and Diagnostic Equipment (Telecommunications). These communications are essential to field, and sustain in the field, the combat elements of the Army and to provide command and control over these forces by the National Command Authorities, the Joint Chiefs of Staff, and others in the chain of command.

FORMAT A	Department of the Army Annual Budget Estimate		FY 1983
	JUSTIFICATION		Budget
	Appropriation	Budget Program or Budget Project Account	
	OTHER PROCUREMENT, ARMY	Activity 2 - COMMUNICATIONS AND ELECTRONICS EQUIPMENT	

This request also provides for Other Electronics Systems and Equipment including: \$110.2 million for Intelligence Support; \$16.7 million for the General Defense Intelligence Program; \$180.4 million for Automatic Data Processing Equipment; \$13.6 million for Audio Visual Equipment; \$23.2 million for Electronic Warfare; \$268.8 million for Tactical Electronics consisting of Surveillance, Target Acquisition and Night Observation (STANO) equipment; \$29.0 million for Automatic Test, Measurement, and Diagnostic Equipment; \$16.7 million for Productivity Investment Funding; \$391.9 for Support Equipment and Facilities including Spare and Repair Parts; \$1.5 million for Quick Return on Investment Funding; and \$22.1 million for Production Base Support. The equipment in these categories is required to sustain troops in combat, provide electronic advantages and protection to the individual soldier, and to help him carry the battle to the enemy. It also provides for sustaining the production base to exploit latest developments in miniaturization, solid state circuitry, and modular fabrication.

The FY 83 budget provides the critical C-E systems and equipments necessary to continue modernization and improve the communications-electronics posture of the Army in order to provide reduced reaction times, greater efficiency in strategic and tactical developments.

FORMAT J-1	Department of the Army Annual Budget Estimate JUSTIFICATION	Appropriation	FY 1983 Budget
	Budget Program or Budget Project Account	(Thousands of Dollars)	Estimate
	ACTIVITY 2 - COMMUNICATIONS AND ELECTRONICS EQUIPMENT		FY 1984.
	Direct Obligation or Direct Budget Plan		\$2,102,243

#### Section 1 - PURPOSE AND SCOPE

These funds provide for procurement, manufacture, depot rebuild facilities equipment, modification and production base support of communications and electronics equipment and high dollar value depot reparable assemblies/components for initial provisioning and replenishment requirements. Funds are included for satellite communications, radio, countermeasures, combat wire communications, night vision, photographic, combat surveillance, target acquisition, strategic, tactical, communications securing and electronics equipment.

#### Section 2 - JUSTIFICATION OF FUNDS REQUIRED

This request supports the Army's requirements for both tactical and strategic communications worldwide and includes: \$13.8 million for US Readiness Command Communications; \$277.1 million for Joint Tactical Communications (TRI-TAC); \$183.7 million for Combat Support Communications; \$17.9 million for Strategic Communications (STARCOM/NDSCS); \$38.3 million for Long Haul Communications (DCS); \$157.0 million for Satellite Communications-Ground Environment; \$76.1 million for EUCOM Command, Control, and Communication Systems; \$181.0 million for Communications Security Equipment; \$20.5 million for Base Communications; \$24.6 million for National Military Command System Communications; and \$16.8 million for Test, Measurement, and Diagnostic Equipment (Telecommunications). These communications are essential to field, and sustain in the field, the combat elements of the Army and to provide command and control over these forces by the National Command Authorities, the Joint Chiefs of Staff, and others in the chain of command.

FORMAT A	Department of the Army Annual Budget Estimate JUSTIFICATION		FY 1983
			Budget
	Appropriation OTHER PROCUREMENT, ARMY	Budget Program or Budget Project Account Activity 2 - COMMUNICATIONS AND ELECTRONICS EQUIPMENT	

This request also provides for Other Electronics Systems and Equipment including: \$123.9 million for Intelligence Support; \$26.7 million for the General Defense Intelligence Program; \$164.2 million for Automatic Data Processing Equipment; \$17.7 million for Audio Visual Equipment; \$51.9 million for Electronic Warfare; \$233.7 million for Tactical Electronics consisting of Surveillance, Target Acquisition and Night Observation (STANO) equipment; \$12.2 million for Productivity Investment Funding; \$395.1 million for Support Equipment and Facilities including Spare and Repair Parts; \$1.5 million for Quick Return on Investment Funding; and \$13.0 million for Production Base Support; and \$55.5 million for Special Programs. The equipment in these categories is required to sustain troops in combat, provide electronic advantages and protection to the individual soldier, and to help him carry the battle to the enemy. It also provides for sustaining the production base to exploit latest developments in miniaturization, solid state circuitry, and modular fabrication.

The FY 84 budget provides the critical C-E systems and equipments necessary to continue modernization and improve the communications-electronics posture of the Army in order to provide reduced reaction times, greater efficiency in strategic and tactical developments.

Department of the Army Annual Budget Estimates JUSTIFICATION	Appropriation		FY 1983
	OTHER PROCUREMENT, ARMY		Budget
	(Thousands of Dollars)		
	Actual	Estimate	Estimate
Budget Program or Budget Project Account	FY 1981	FY 1982	FY 1983
<b>ACTIVITY 3 - OTHER SUPPORT EQUIPMENT</b>			
Direct Obligation or Direct Budget Plan	\$ 797,292	\$ 1,145,096	\$ 971,827

#### Section 1 - PURPOSE AND SCOPE

These funds provide for procurement, manufacture, and conversion of combat support, construction, floating and rail, generator, materials handling, and medical support equipment. These funds also provide for initial and replenishment spares and production base support associated with this activity.

#### Section 2 - JUSTIFICATION OF FUNDS REQUESTED

The requested program is necessary to provide \$12.8 million for tactical bridging equipment; \$102.1 million for chemical defensive equipment; \$30.2 million for topographic support system; \$79.8 million for various engineer construction equipment; \$31.7 million for POL equipment; \$11.5 million for Ground Emplacement Mine Scattering System; \$9.3 million for mine clearing rollers; \$23.3 million for Position Azimuth Determining System; \$7.0 million for various air conditioners; \$8.7 million for firetrucks; \$50.8 million for base level commercial equipment; \$11.1 million for railroad flatcars; \$54.4 million for Air Cushion Vehicles; \$47.1 million for forklifts; \$69.4 million for generators; \$79.3 million for medical support equipment; \$19.2 million for combat zone hospital equipment; \$19.8 million for combat medical support equipment; \$33.1 million for items required for host nation support-Europe; \$7.2 million for calibration set support; \$33.5 million for both initial and replenishment repair parts; \$4.4 million for the National Training Center; \$76.0 million for non-systems training devices; \$7.0 million for special equipment for user testing; \$31.0 million for various production base support projects; \$33.8 million for Quick Return on Investment Program; \$18.0 million for productivity enhancing programs; \$21.0 million for various water support equipment; \$27.8 million for items with an acquisition value of less than \$900,000; and \$9.5 million for miscellaneous support equipment.

FORMAT J-1	Department of the Army Annual Budget Estimate JUSTIFICATION	Appropriation OTHER PROCUREMENT, ARMY	FY 1983
	Budget Program or Budget Project Account	(Thousands of Dollars)	Budget
	ACTIVITY 3 - OTHER SUPPORT EQUIPMENT		Estimate
	Direct Obligation or Direct Budget Plan		FY 1984
			\$1,371,000

#### Section 1 - PURPOSE AND SCOPE

These funds provide for procurement, manufacture, and conversion of combat support, construction, floating and rail, generator, materials handling, and medical support equipment. These funds also provide for initial and replenishment spares and production base support associated with this activity.

#### Section 2 - JUSTIFICATION OF FUNDS REQUESTED

The requested program is necessary to provide \$11.0 million for tactical bridging equipment; \$136.3 million for chemical defensive equipment; \$35.9 million for topographic support system; \$304.2 million for various engineer construction equipment; \$11.5 million for POL equipment; \$23.8 million for Ground Emplacement Mine Scattering System; \$3.9 million for mine clearing rollers; \$27.5 million for Position Azimuth Determining System; \$9.5 million for various air conditioners; \$5.1 million for firetrucks; \$88.6 million for base level commercial equipment; \$10.6 million for railroad flatcars; \$101.8 million for forklifts; \$80.4 million for generators; \$87.1 million for medical support equipment; \$14.0 million for combat zone hospital equipment; \$55.7 million for combat medical support equipment; \$36.3 million for items required for host nation support-Europe; \$7.6 million for calibration set support; \$27.3 million for both initial and replenishment repair parts; \$93.9 million for non-systems training devices; \$8.6 million for special equipment for user testing; \$28.9 million for various production base support projects; \$13.8 million for Quick Return on Investment Program; \$10.8 million for productivity enhancing programs; \$41.3 million for items with an acquisition value of less than \$900,000; \$31.3 million for POL distribution equipment for the Rapid Deployment Force (RDF) and \$64.3 million for miscellaneous support equipment.

OTHER PROCUREMENT, ARMY

Section 5

Comparison of Program Requirements and Financing

Comparison of FY 1982 program requirements as reflected in the FY 1982 budget with FY 1982 program requirements as shown in the FY 1983 budget.

Comparison of FY 1982 financing as reflected in the FY 1982 budget with FY 1982 financing as shown in FY 1983 budget.

Comparison of FY 1981 program requirements as reflected in the FY 1982 budget with FY 1981 program requirements as shown in the FY 1983 budget.

Comparison of FY 1981 financing as reflected in the FY 1982 budget with FY 1981 financing as shown in the FY 1983 budget.



COMPARISON OF FY 1982 PROGRAM REQUIREMENTS  
AS REFLECTED IN FY 1982 BUDGET WITH  
FY 1982 PROGRAM REQUIREMENTS AS SHOWN IN FY 1983 BUDGET

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)			
Appropriation: OTHER PROCUREMENT, ARMY	Total Program Requirements Per FY 82 Budget	Program Requirements Per FY 1983 Budget	Increase (+) or Decrease (-)
Activity 1 - Tactical and Support Vehicles	1,028,200	1,009,200	- 19,000
Activity 2 - Communications and Electronics Equipment	1,609,900	1,571,575	- 38,325
Activity 3 - Other Support Equipment	1,045,700	1,145,096	+ 99,396 *
TOTAL	3,683,800	3,725,871	+ 42,071

1. Tactical and Support Vehicles. Decrease of \$19,000 thousand is a result of reductions made during Congressional action on the FY 1982 Budget Request.

2. Communications and Electronics Equipment. Decrease of \$38,325 thousand is a result of reductions made during Congressional action on the FY 82 Budget Request.

3. Other Support Equipment. Net increase of \$99,396 thousand is a result of Congressional action on the FY 82 budget request which provided increases totalling \$116,000 thousand and decreases totalling \$16,604 thousand.

\*Includes \$69,500 thousand for procurement of Guard and Reserve Readiness Equipment list of specific items to be procured currently being developed.

COMPARISON OF FY 1982 FINANCING AS REFLECTED  
IN THE FY 1982 BUDGET WITH FY 1982 FINANCING  
AS SHOWN IN FY 1983 BUDGET

(In Thousands of Dollars)			
Appropriation:	Financing Per FY 1982 Budget	Financing Per FY 1983 Budget	Increase (+) or Decrease (-)
OTHER PROCUREMENT, ARMY			
Program Requirements (Total)	4,057,500	4,080,371	+ 22,871
Program Requirements (Service Account)	(3,683,800)	(3,725,871)	+ 42,071
Program Requirements (Reimbursable)	( 373,700)	( 354,500)	(- 19,200 )
Less:			
Anticipated reimbursements	373,700	354,500	- 19,200
Reprogramming from prior year budget plans	-0-	-0-	
Unobligated balance available from prior year to finance new budget plans	-0-	-0-	
Unobligated balance transferred from other accounts	-0-	-0-	
Add:			
Unobligated balance transferred to other accounts	-0-	-0-	
Unobligated balance available to finance subsequent year budget plans	-0-	-0-	
BUDGET AUTHORITY	3,683,800	3,725,871	+ 42,071
BUDGET AUTHORITY Appropriation	3,683,800	3,725,871	+ 42,071

COMPARISON OF FY 1981 PROGRAM REQUIREMENTS  
AS REFLECTED IN FY 1982 BUDGET WITH  
FY 1981 PROGRAM REQUIREMENTS AS SHOWN IN FY 1983 BUDGET

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)			
Appropriation:	Total Program Requirements	Program Requirements	Increase (+)
	Per FY 82 Budget	Per FY 1983 Budget	Decrease (-)
OTHER PROCUREMENT, ARMY			
Activity 1 - Tactical and Support Vehicles	590,900	459,160	- 131,740
Activity 2 - Communications and Electronics Equipment	1,610,358	1,584,896	- 25,462
Activity 3 - Other Support Equipment	735,000	797,292	+ 62,292
TOTAL	2,936,258	2,841,348	- 114,910

1. Tactical and Support Vehicles. Net decrease of \$131,740 thousand results from Congressional action on the FY 81 Supplemental Request which reduced the appropriation by \$133,850 thousand and miscellaneous below threshold reprogrammings which provided a net increase of \$2,110 thousand.

2. Communications and Electronics Equipment. Net decrease of \$25,462 thousand results from a Congressionally approved reprogramming action which transferred \$2,000 million to Aircraft Procurement, Army; restructure of the program for procurement of Guard and Reserve equipment which transferred \$14,440 thousand to Other Support Equipment Budget Activity within Other Procurement, Army; and miscellaneous below threshold reprogrammings which provided a net decrease of \$9,022 thousand.

3. Other Support Equipment. Net increase of \$62,292 thousand results from Congressional approval of a reprogramming action which transferred \$20,940 from Operations and Maintenance appropriations to fund the Base Level Commercial Equipment program; restructure of the program for procurement of Guard and Reserve equipment which transferred \$14,440 thousand from the Communication and Electronics budget activity within Other Procurement, Army to the Other Support Equipment Budget Activity; and miscellaneous below threshold reprogrammings which provide a net increase of \$6,912 thousand.

COMPARISON OF FY 1981 FINANCING AS REFLECTED  
IN THE FY 1982 BUDGET WITH FY 1981 FINANCING  
AS SHOWN IN FY 1983 BUDGET

(In Thousands of Dollars)			
Appropriation: OTHER PROCUREMENT, ARMY	Financing Per FY 1982 Budget	Financing Per FY 1983 Budget	Increase (+) or Decrease (-)
Program Requirements (Total)	3,383,358	3,267,887	- 115,471
Program Requirements (Service Account)	(2,956,258)	(2,841,348)	( - 114,910)
Program Requirements (Reimbursable)	( 427,100)	( 426,539)	( - 561)
Less:			
Anticipated reimbursement	- 427,100	- 426,539	- 561
Reprogramming from prior year budget plans	-0-	-0-	-0-
Unobligated balance available from prior year to finance new budget plans	-0-	-0-	-0-
Unobligated balance transferred from other accounts	-0-	-0-	-0-
Add:			
Unobligated balance transferred to other accounts	-0-	-0-	-0-
Unobligated balance available to finance subsequent year budget plans.			-0-
<b>BUDGET AUTHORITY</b>	<b>2,956,258</b>	<b>2,841,348</b>	<b>- 114,910</b>
<b>BUDGET AUTHORITY</b>			
Appropriation	2,956,258	2,822,408	- 133,850
Transferred to other accounts		- 2,000	- 2,000
Transferred from other accounts			
Appropriation (Adjusted)	2,956,258	2,820,408	135,850
Reappropriation		20,940	+ 20,940

OTHER PROCUREMENT, ARMY

Section 6

Selected Data Sheets

<u>Budget Activity</u>	<u>Page No.</u>
1. Tactical and Support Vehicles . . . . .	5-32 - 5-45
2. Communications and Electronics Equipment . . . . .	5-46 - 5-133

5-31 February 1982

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 5

Nomenclature: Semitrailer, Breakbulk/Container, 22 1/2 Ton, M871, (C/S)

Description/Mission: A commercially designed 22 1/2 ton dual purpose semitrailer, designed to be pulled by the 5 ton truck tractor. It is also capable of operation with the Commercial Line Haul Tractor. It consists of a cargo bed and frame with side racks and stakes and a securement system for containers. This semitrailer is one of two which will eventually replace the 12-ton Stake Semitrailer M127A2C in its entirety. The other is the 34-Ton M872. Since the present M127A2C is inadequate for expanded line haul/container hauling operations, this 22 1/2 Ton Semitrailer will be used primarily in forward areas where a limited degree of off-road mobility is required.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons Systems Cost	955	14.8	1041	17.5	200	3.6	344	6.5

Basis for FY 1983 Request: Required to fill some shortages in troop units. It will provide the capability to transport containers of various sizes up to 20 feet in length.

Contract Data:

Major Subsystem

Trailer

Contractor

Southwest Truck &  
Body, St. Louis, Mo

Type of Last Contract

Fixed Price with Economic Price  
Adjustment 5 year multi-year

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	955	1041	(200)	(344)	XXXX
Delivered	531	( 938)	(1032)	(284)	(344)

Inventory/Objective:

	<u>END FY 1981 FDP 1/</u>	<u>END FY 1982 FDP 1/</u>	<u>END FY 1983 FDP 1/</u>	<u>END FY 1984 FDP 1/</u>
Force Units - DFE 2/	XXXX	XXXX	24	24
Inventory Objective	XXXX	XXXX	3982	3982
On Hand/On Order	1915	2948	3135	3466
% Inventory Objective Achieved	48.1	74.0	78.7	87.0

1/ FDP - Funded Delivery Period  
2/ DFE - Division Force Equivalent

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 8

Nomenclature: Semitrailer, Van, Electronic, 6 Ton, 2 Wheel, M373A2

Description/Mission: A military design, 30 feet long, van semitrailer designed to be pulled by the military design 5 Ton Tractor.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	235	7.3	158	5.3	84	2.7

Basis for FY 1983 Request: To support the fielding of new systems such as AN/ASM-189A and AN/ASM-190A Avionics Shops, PATRIOT and TACFIRE.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Semitrailer	To Be Selected	Firm Fixed Price



Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	-0-	235	(158)	(84)	XXXX
Delivered	-0-	-0-	(183)	(235)	(59)

Inventory/Objective:

	<u>END FY 1981 FDP 1/</u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE 2/	XXXX	XXXX	24	24
Inventory Objective	XXXX	XXXX	1923	1923
On Hand/On Order	1241	1471	1624	1703
% Inventory Objective Achieved	64.5	76.5	84.5	88.6

1/ FDP - Funded Delivery Period

2/ DFE - Division Force Equivalent

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 15

Nomenclature: High Mobility Multipurpose Wheeled Vehicle (HMMWV)

Description/Mission: The High Mobility Multipurpose Wheeled Vehicle (HMMWV) is a Tri-Service program under Army lead to provide a single family of vehicles, utilizing a common chassis with various body configurations to meet urgent Marine Corps, Air Force and Army requirements. The vehicle will replace the M718 1/4 Ton Trucks, M274 1/2 Ton Trucks, M561/M792 1 1/4 Ton Trucks and selectively replace M151, 1/4 Ton Trucks. Vehicles from Commercial Utility and Cargo Vehicle (CUCV) will replace the remaining portion of M151, 1/4 Ton Trucks, and all M880 1 1/4 Ton series of trucks. The HMMWV is a lightweight high performance, four wheel drive, air transportable and droppable vehicle with a diesel engine, automatic transmission and 2500 pound payload capability.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	-0-	-0-	1180	38.6	6193	173.7

Basis for FY 1983 Request: Required to fill some shortages in troop units, the Rapid Deployment Forces and to field some new systems such as PATRIOT, EC-137-81 (TACFIRE), EC-169-81 and DIVAD Gun.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Truck	To Be Selected	Not Applicable

**NOTE:** Development Program underway with 3 contractors (AM General Corp, Teledyne Continental Motors, & Chrysler Defense Incorporated) each providing 11 prototypes for a competitive run off.

5-36 February 1982

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	-0-	-0-	(1180)	(6193)	XXXX
Delivered	-0-	-0-	(-0- )	(1489)	(5884)

Inventory/Objective:

	<u>END FY 1981 FDP 1/</u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE 2/	XXXX	XXXX	24	24
Inventory Objective	XXXX	XXXX	3/	3/
On Hand/On Order	56078 4/	54612 4/	55084 4/	60758 4/
% Inventory Objective Achieved	3/	3/	3/	3/

1/ FDP - Funded Delivery Period

2/ DFE - Division Force Equivalent

3/ Being developed (Minimum Initial Issue Quantity is 51,206)

4/ Substitute assets are selected 1/4 ton Trucks, all 1/2 ton Trucks and all 1 1/4 ton trucks (GAMA COATS)

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 16

Nomenclature: Commercial Utility and Cargo Vehicle (CUCV)

Description/Mission: The Commercial Utility and Cargo Vehicle (CUCV) is a family of light commercial 4x4 diesel trucks with a payload of 2500 pounds, for cargo and ambulance; and a payload of 1500 pounds, for utility vehicles. They are to be used on primary and secondary roads, and cross country for ground transport tasks in selected combat support and combat service support units. Tasks for those vehicles include command and control, medical evacuation and personnel and light cargo transport. The CUCV will selectively replace the M151, 1/4 ton trucks and all M880 series of 1 1/4 ton trucks. The CUCV is complimented by the High Mobility Multipurpose Wheeled Vehicle (HMMWV) which selectively replaces 1/4 ton trucks and all 1/2 ton trucks and 1 1/4 ton trucks (GAMA GOATS).

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	3236	39.8	13425	183.4	22875	305.3

Basis for FY 1983 Request: Required to fill interchange requirements for PATRIOT, MLRS, TACFIRE, AM/TLQ-15 and FVS and begin 20 percent commercialization of the Jeep fleet as directed by Congress.

Contract Data:

Major Subsystem

Truck

Contractor

To Be Selected

Type of Last Contract

Fixed Price with Economic Price Adjustment

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	-0-	3236	(13425)	(22875)	XXXX
Delivered	-0-	-0-	(10686)	(28850)	(-0-)

Inventory/Objective:

	<u>END FY 1981 FDP 1/</u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE 2/	XXXX	XXXX	24	24
Inventory Objective	XXXX	XXXX	3/	3/
On Hand/On Order	43,632	41,335	48,111	55,855
X Inventory Objective Achieved	4/	4/	4/	4/

1/ FDP - Funded Delivery Period

2/ DFE - Division Force Equivalent

3/ Being developed (minimum Initial Issue Quantity is 47,578)

4/ Substitute assets are selected 1/4 Ton Trucks and all M880 series of 1 1/4 ton trucks

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 17

Nomenclature: Small Unit Support Vehicle (SUSV)

Description/Mission: A fully-tracked, diesel engine powered vehicle capable of negotiating on & off-road terrains in all seasons. Provides a 3000 pound payload capacity including driver and uses one type of track year-round.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	-0-	-0-	268	28.7	-0-	-0-

Basis for FY 1983 Request: Required to fill some shortages in troop units and maintenance float. It will improve the combat effectiveness of troop units operating in northern and mountainous regions by transporting the required platoon pack in all season terrain and during severe climatic conditions.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Truck	Hagglunds and Soner Ornskolderik, Sweden	None

Production Data

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	0	0	( 266 )	( 0 )	XXXX
Delivered	0	( 0 )	(0)	(268)	(0)

Inventory/Objective:

	<u>END FY 1981 FDP 1/</u>	<u>END FY 1982 FDP 1/</u>	<u>END FY 1983 FDP 1/</u>	<u>END FY 1984 FDP 1/</u>
Force Units - DFE 2/	XXXX	XXXX	24	24
Inventory Objective	XXXX	XXXX	268	268
On Hand/On Order	0	0	268	268
% Inventory Objective Achieved	0	0	100.0	100.0

1/ FDP - Funded Delivery Period  
2/ DFE - Division Force Equivalent

OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET

Service: ARMY

P-1 Line Item: 18

Nomenclature: Truck, 5 Ton, 6X6, All Body Types (AST)

Description/Mission: A wheeled 6x6 tactical vehicle powered by a liquid cooled, 6-cylinder, diesel engine. It can ford 2 1/2 feet of water without a deep water fording kit, and 6 feet of water with a kit. It is produced in 7 body styles: cargo, dump, tractor, van, wrecker, tractor-wrecker and bolster.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	971	76.2	3569	295.1	4936	392.7	3538	275.0

Basis for FY 1983 Request: Urgently required to fill shortages in troop units, POMCUS and in maintenance float. Major systems supported included TACFIRE, PATRIOT, PERSHING II, WHMCS, MSCS, etc.

Contract Data:

Major Subsystem

Truck

Contractor

AM General Corp, So  
Bend, Ind.

Type of Last Contract

Fixed Price with Economic Price  
Adjustment 5 year multi-year



Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	971	3569	(4936)	(3538)	XXXX
Delivered	844	(77)	(3308)	(6316)	(3313)

Inventory/Objective:

	<u>END FY 1981 FDP 1/</u>	<u>END FY 1982 FDP 1/</u>	<u>END FY 1983 FDP 1/</u>	<u>END FY 1984 FDP 1/</u>
Force Units - DVE 2/	XXXX	XXXX	24	24
Inventory Objective	XXXX	XXXX	62,711	62,711
On Hand/On Order	35,054	38,181	42,662	45,641
% Inventory Objective Achieved	55.9	60.9	68.0	72.8

1/ FDP - Funded Delivery Period  
2/ DVE - Division Force Equivalent

**OTHER PROCUREMENT, ARMY  
TACTICAL VEHICLE DATA SHEET**

**Service:** ARMY

**P-1 Line Item:** 19

**Nomenclature:** Truck, 10 Ton, 8x8, All Body Types (ABT) 1/

**Description/Mission:** A wheeled 8x8 tactical transport vehicle powered by an 8 cylinder diesel engine. This truck will transport ammunition and fuel and TOW missile systems and can be used for recovery of other heavy wheeled support vehicles and combat systems.

**Cost Data (\$ Mil):**

	FY 1981		FY 1982		FY 1983		FY 1984	
	Qty	Amt	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	635	90.3	1274	194.5	2370	374.1	1335	219.5
(Domestic								
Procurement)	(628)	(85.8)	(1203)	(177.9)	(2274)	(351.7)	(1293)	(208.1)
(Foreign								
Procurement)	( 7)	( 4.5)	( 71)	( 16.6)	( 96)	( 22.4)	( 42)	( 11.4)

**Basis for FY 1983 Request:** Required to fill some shortages in troop units, POMCUS and maintenance float and to provide mobility and prelaunch survivability to missile systems by insuring their timely movement from one combat launching site to another. Major systems supported include the Multiple Launch Rocket System (MLRS), PERSHING II, PATRIOT and DIVAD Gun.

1/ Includes Heavy Expanded Mobility Tactical Truck (HEMTT) and the M.A.N. 10 Ton Truck.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Truck	Oshkosh Truck Corp. Oshkosh, Wisconsin	Fixed Price with Economic Price Adjustment, 5 year multiyear, with option
Truck	Maschinenfabrik Augsburg-Mueraberg (M.A.M.), Federal Republic of Germany	Fixed Price, Single Year, with option

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	635	1274	(2370)	(1335)	XXXX
Delivered	10	(72)	(2090)	(2332)	(1113)

Inventory/Objective:

	<u>END FY 1981 FDP 1/</u>	<u>END FY 1982 FDP 1/</u>	<u>END FY 1983 FDP 1/</u>	<u>END FY 1984 FDP 1/</u>
Force Units - DFE 2/	XXXX	XXXX	24	24
Inventory Objective	XXXX	XXXX	20,507	20,507
On Hand/On Order 3/	1909	3170	5522	6836
% Inventory Objective Achieved	9.3	15.5	26.9	33.3

1/ FDP - Funded Delivery Period

2/ DFE - Division Force Equivalent

3/ Includes CGER assets as this vehicle will eventually replace the CGER.

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 30

Nomenclature: JCSE Equipment (USREDCOM)

Description/Mission: An Army/USAF jointly equipped special activity under control of the JCS and assigned to the U.S. Readiness Command (USREDCOM). This element is a command control tactical field communications unit designed to provide rapid communications for a joint task force headquarters under any of the unified/specified commanders.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost		6.0		17.0		3.0		3.8

Basis for FY 1983 Request: The Army is funding 50% of the equipment for the Joint Communications Support Element. FY 1983 program includes anti-jam modems and low rate multiplexers which provide anti-jam capability for SHF satellite communications terminals that are programed in FY 1982, digital non-secure voice terminals, maintenance shelter, and interface equipment to support the USREDCOM's Joint Tactical Communications equipment. Should the FY 1983 request be denied, modernization of joint task force headquarters communications net with the National Command Authority will be delayed.

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 32-67

Nomenclature: Joint Tactical Communications System (TRI-TAC)

Description/Mission: The Joint Tactical Communications Program is concerned with the design, development and acquisition of switched communications service for tactical common user and command and control voice, record and data subscribers. The overall architecture will provide a maximum communications security capability and integrated digital security equipment for subscriber to subscriber communications protection. The TRI-TAC system in its final configuration will be an all digital communications system and in the interim will provide a hybrid analog and digital capability to support the transition to the future systems. The program provides for automated operation, control and management of communications resources and networks. The system will be interoperable with the U.S. strategic and commercial systems as well as NATO and Allied communications systems.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	N/A	97.8	N/A	111.0	N/A	268.1	N/A	277.1

Basis for FY 1983 Request: The TRI-TAC program consists of a multitude of components such as switches, multiplexers, maintenance shelters and management/control nodes of varying complexity which must ultimately be integrated prior to the fielding of the system. A number of these components are or will be on multiyear contracts with multiple contractors sponsored by the various services and must be funded concurrently to meet projected operational capability schedule. The FY 1983 funding is required to meet the Army's commitment to the procurement of circuit/message switches, tactical digital facsimile, control nodes and digital group multiplexers. Should this request be denied the multiyear contract on digital group multiplexers will be terminated; control node programs will be delayed by one year with resultant delay in the total program and Army support to other service programs will be reduced resulting in contract termination or delay. For terminated multiyear contracts, termination costs will be incurred.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 69

Nomenclature: Single Channel Ground and Airborne Radio System (SINCGARS)-V

Description/Mission: The SINCGARS-V is the ground VHF-FM radio communications system providing the primary means of command and control of infantry, armor, and artillery units. The SINCGARS-V consisting of manpack and vehicular radios, has the capability to transmit voice, tactical data, and record traffic and is consistent with NATO interoperability requirements. SINCGARS-V will replace the currently standard ground radio family consisting of the AN/VRC-12 series and AN/PRC-25/77. It is securable and meets requirements for electronic counter-counter measures (ECCM), nuclear hardening, increased reliability, and reduced life cycle cost.

Cost Data (\$ Mil):

	FY 1981		FY 1982		FY 1983		FY 1984	
	Qty	Amt	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	0	0	0	0	0	19.8	1570	20.3

Basis for FY 1983 Request: The budget request provides initial procurement of this new state of the art secure and reliable tactical communications radio system which will replace old radios that cannot satisfy Army's current needs of secure command, control, and intelligence communications. This program starts to fill near term readiness requirements where critical mission needs demand improved secure voice and data communications. Should the FY 1983 request be denied, Army must delay replacement of the existing family of ground radios which are old and operationally obsolete for forward deployed tactical forces.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Manpack Radio	Cincinnati Electronics, Cincinnati, Ohio	None
Vehicular Shortrange Radio	Rockwell-Collins, Cedar Rapids, Iowa	
Vehicular Longrange Radio	ITT, Fort Wayne, Indiana	

5-48 February 1982

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	0	0	0	1570	XXXX
Delivered	0	0	0	(190)	(1290)

Inventory/Objective:

	<u>END FY 1981 FDP</u> <sup>1/</sup>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	62,326
On Hand/On Order	0	0	450	1,600
% Inventory Objective	0	0	1	3

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFR = Division Force Equipment

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 70

Nomenclature: Cable Assembly, CX-11230/G

Description/Mission: A rugged coaxial cable assembly for transmission of wideband 12/48/96 channel carriers and is employed at all levels in a theater of operation.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	0	5000	6.8	0	9.1	0	0

Basis for FY 1983 Request: The CX11230 is extensively used in field operations and is required in significant quantities to increased number of multichannel communications systems presently deployed and being deployed. Extensive utilization under field conditions requires a high replacement factor.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Contract</u>
Cable Assembly, CX-11230/G	To Be Determined	C/FP



Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	0	5000	0	XXXX	XXXX
Delivered	0	0	(4000)	(1000)	(0)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	32254
On Hand/On Order <sup>3/</sup>	24085	27085	27085	27085
X Inventory Objective	75	84	84	84

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

<sup>3/</sup> FY81 Inventory Data is suspect due to high losses/washout of this item.

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 73

Nomenclature: Communications Central, AN/TSC-99

Description/Mission: The AN/TSC-99 provides voice and data communications (high frequency radio and ultra high frequency satellite record copy) between Special Forces base stations and outstations at distances up to 10,000 kilometers. Equipment is designed to process message traffic semi-automatically and includes redundant transmitters and receivers. Stations consist of available commercial items packaged in military shelters.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	0	20	28.7	5	7.8	0	0

Basis for FY 1983 Request: Fill Special Forces urgent requirements. Third year of three year multiyear contract.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Communications Central, AN/TSC-99	Rockwell International Dallas, TX	CM-3/FP

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>
Funded	0	20	5	XXXX
Delivered	2		(24)	(1)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	33
On Hand/On Order	2	2	26	27
% Inventory Objective Achieved	6	6	79	82

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 74

Nomenclature: Data Buffer, High Speed, TD-1065

Description/Mission: The TD-1065 Data Buffer provides access for wideband secure voice and high speed serial data signals, 16 to 32K bits/seconds, in the inventory multichannel transmission systems. It provides a 12 channel digital transmission capability when used with multiplexers TD-660 and TD-352. It is the key to transition from analog switched systems to secure digital switched systems developed under the TRI-TAC program.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>
Weapons System Cost	286	3.3	420	3.8	3180	28.5	270	2.7

Basis for FY 1983 Request: Third year of multiyear buy to equip Army units with these urgently required items and to provide interface with TRI-TAC equipment.

Contract Data:

Major Subsystem

Data Buffer, TD-1065

Contractor

International Signal  
and Control Electronics  
Lancaster, PA

Type of Contract

CN3/FP

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	286	420	3180	270	XXXX
Delivered	0	0	(286)	(1770)	(2100)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	10923
On Hand/on Order	1211	1631	4701	4971
X Inventory Objective Achieved	11	15	43	46

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 75

Nomenclature: Data Multiplexer, TD-1069

Description/Mission: The TD-1069 provides capability to integrate the output of teletype/writers and/or digital data equipment into a single sequential stream for transmission via the multichannel communications system providing more efficient utilization of the available communications channels.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	255	5.2	0	0	365	7.4	0	0

Basis for FY 1983 Request: The FY83 funding for the Data Multiplexer TD-1069 will provide additional integrating equipments to enhance the Army's communications capability on the multichannel systems.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Contract</u>
Data Multiplexer, TD-1069	ITT, Nutley, NJ	SSM-2/FP

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	255	0	365	XXXX	XXXX
Delivered	0	(418)	(29)	(0)	(365)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	3302
On Hand/On Order	447	447	812	812
X Inventory Objective	14	14	24	24

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 76

Nomenclature: Digital Data Generator Box, SG-1139

Description/Mission: The SG-1139 is equipment which is used to measure the status of the channels of the TD-1063 in a data transmission system. The equipment measures the "Bit Error Rate" (BER) to assure all channels are within required tolerances.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	90	7.6	0	0	0	0	325	5.1

Basis for FY 1984 Request: FY84 funding for the SG-1139 is required to ensure high quality, high capacity data communications via the tactical multichannel communications systems in the Army.

Contract Data:

Major Subsystem  
Digital Data Generator Box  
SG-1139

Contractor  
To Be Determined

Type of Contract  
C/FP



Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
Funded	90	0	0	325	XXXX	XXXX
Delivered	0	0	0	(90)	(136)	(195)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	2736
On Hand/On Order	90	90	90	415
Inventory Objective Achieved	3	3	3	15

<sup>1/</sup> FDP - Funded Delivery Period

<sup>2/</sup> DFE - Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 77

Nomenclature: Digital Message Entry Device, OA-8990/P

Description/Mission: The Digital Message Entry Device is a portable, handheld, self contained message terminal used to pass burst-type communications messages over voice channels of HF, VHF, UHF and SHF radio. The device is used by Special Forces teams, Rangers and Engineer ADM activities operating in enemy territory.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	0	850	5.0	300	1.3	0	0

Basis for FY 83 Request: The FY83 funding will provide for continued procurement of equipment required to support these special activities.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Contract</u>
Digital Message Entry Device OA-8990/P	To Be Determined	C/FP

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>
Funded	0	850	300	XXXX
Delivered	0	0	(850)	(300)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	1538
On Hand/On Order	0	850	1150	1150
Inventory Objective Achieved	0	55	75	75

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
TACTICAL TELECOMMUNICATIONS EQUIPMENT DATA SHEET

Service: Army

P-1 Line Item 78

Nomenclature: Hand Crank Generator, G-76

Description/Mission: The G-76 is a hand crank generator used to supply 30 volts D.C. to power the AN/PRC-70 and the AN/PSC-3 directly, or to recharge the batteries for these equipments. The G-76 will be used primarily by Special Forces units operating far behind enemy lines and Rapid Deployment Forces (RDF).

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons Systems Cost	400	2.3	-	-	633	3.4	-	-

Basis for FY 1983 Request: Without the procurement of the requested quantity in FY 83, the total funded assets will equal only 40% of the requirements. This would create a serious readiness problem for the Special Forces and RDF.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
G-76 Hand Crank Generator	Simmonds Precision (FY 80, 81) Norwich, NY	FFP w/option (FY 81)

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	400	0	633	0	XXXX
Delivered	0	(400)	(400)	0	(633)

5-62 February 1982

Inventory/Objective:

	<u>End FY 1981 FDP<sup>1/</sup></u>	<u>End FY 1982 F/P</u>	<u>End FY 1983 FDP</u>	<u>End FY 84 FDP</u>
• Force Units - DPE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	1994
On Hand/On Order	800	800	1433	1433 •
X Inventory Objective Achieved	40	• 40	72	72

- 1/ Funded Delivery Period
- 2/ Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 79-80

Nomenclature: Improved High Frequency Radio

Description/Mission: The improved High Frequency (HF) Radio, employing automatic tuning, will operate in the Amplitude Modulation (AM), Single Sideband (SSB), Continuous Wave (CW), and data transmission modes, and will be compatible with secure voice and data equipments. The radio will be fielded in two basic configurations: AN/PRC-104 Low Power (Manpack/Vehicular) and AN/GRC-193 Medium Power (Vehicular).

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost		0		4.7		52.4		14.8

Basis for FY 1983 Request: The request for FY83 will provide a communications capability for Air Defense Artillery, Armored Cavalry, and other mobile units in Europe beyond the range of current VHF-FM radios. These mobile units operate across greater distances than most tactical units. If the FY83 request is denied, these units will continue to operate in critical situations without adequate command and control communications.

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 81

Nomenclature: AN/TRQ-35 Chirp Sounder

Description/Mission: The Chirp Sounder is used to obtain ionospheric propagation data necessary for the identification of the optimal frequencies for high frequency (HF) radio communications. Due to unpredictable changes in ionospheric conditions, HF communications systems suffer fading and outages unless real-time propagation data is available. The Chirp Sounder, AN/TRQ-35, consists of three major components which are combined in various configurations depending on the requirements of a particular unit or locale. The three components are Transmitter, Receiver, and Spectrum Monitor.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost:		0	4	1.5	15	3.3		0

Basis for FY 1983 Request: Will provide Chirp Sounder for forward deployed forces to secure reliable information for frequency planning to meet tactical command and control communications requirements.

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 82

Nomenclature: Replacement for AN/TSC-38B

Description/Mission: The replacement for the AN/TSC-38B will be an air transportable multichannel communications central capable of providing long range communications for RDF contingency missions and to support world-wide operational activities. It will provide long range high frequency communications links from task force headquarters into existing DCS networks and provide for extension/restoral of DCS communications during periods of natural disaster or any other emergency.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	0	0	8.9	0	0	0	4.8

Basis for FY84 Request: The FY84 funding will permit initial procurement of a system capable of providing the requisite communications to replace an existing system which is antiquated and difficult to maintain. Selected replacement will provide greater mobility and communications capability.

Contract Data:

Major Subsystem

Contractor

Type of Contract

Replacement for AN/TSC-38B

To Be Determined

C/FFP



Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	0	0	0	0	XXXX
Delivered	0	0	(0)	(0)	(0)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	36 <sup>3/</sup>
On Hand/On Order	0	0	0	0
Inventory Objective Achieved	0	0	0	0

<sup>1/</sup> FDP - Funded Delivery Period

<sup>2/</sup> DFE - Division Force Equivalent

<sup>3/</sup> Estimated

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 84

Nomenclature: Portable VHF/AM Trans, AN/PRC-113

Description/Mission: The AN/PRC-113 VHF/AM transceiver will be used for communication with aircraft operating in close support of ground forces, such as combat airdrop or aerial resupply activities. This radio will replace the AN/VRC-24, which dates from the mid-1930's, and the AN/PRC-41, neither of which can be fitted with secure voice equipment. The PRC-113 is compatible with the TSEC/KY-57(VINSON) secure voice equipment.

Cost Data (\$ Mil):

	FY 1981		FY 1982		FY 1983		FY 1984	
	Qty	Amt	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	0	0	0	0	0	0	371	3.1

Basis for FY 1984 Request: This will be the first Army procurement of this item which is vitally needed to replace the obsolete VRC-24 and PRC-41 radios, which cannot operate in secure radio nets.

Contract Data:

Major Subsystem

Radio Set, AN/PRC-113

Contractor

MAGNAVOX - Ft. Wayne, IN

Type of Last Contract

CPM/FFP (USAF)  
(Army will obtain option)

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	0	0	0	371	XXXX
Delivered	0	0	0	0	(171)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	815
On Hand/On Order	0	0	0	371
% Inventory Objective Achieved	0	0	0	45

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 85

Nomenclature: Pulse Form Restorer, TD-206

Description/Mission: The Pulse Form Restorer, TD-206 is a two way regenerative repeater employed in a cable system to retune and regenerate the original pulse train in both directions of transmission. It eliminates distortion caused by noise and band width limitation and extends the usable range of cable systems.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	1209	4.5	0	0	0	0	1200	3.0

Basis for FY84 Request: The FY84 funding provides for additional procurement of these required equipments which are essential for multichannel communications systems.

Contract Data:

Major Subsystem  
Pulse Form Restorer  
TD-206

Contractor  
To Be Determined

Type of Contract  
CM 3/FPP

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>	<u>FY 1987</u>
Funded	1209	0	0	1200	XXXX	XXXX	XXXX
Delivered	0	0	(875)	(334)	(0)	(580)	(620)

Inventory/Objective:

	<u>END FY 1981 FDP</u> <sup>1/</sup>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	10557
On Hand/On Order	6398	6398	6398	7598
Inventory Objective Achieved	61	61	61	72

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 86

Nomenclature: Radio Repeater, AN/TRC-113

Description/Mission: The AN/TRC-113 is a 6/12 channel, low capacity multichannel radio relay which is used at division and below in conjunction with the AN/TRC-145 multichannel terminal.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	0	249	45.3	128	23.4	0	0

Basis for FY 1983 Request: Funding in FY83 is to satisfy outstanding active Army and Reserve component requirements for multichannel communications systems.

Contract Data:

Major Subsystem

AN/TRC-113, Radio Repeater

Contractor

CECOM  
Ft. Monmouth, NJ

Type of Contract

Depot Assembly

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
Funded	0	249	128	XXXX	XXXX	XXXX
Delivered	0	0	0	0	(249)	(128)

Inventory/Objective:

	<u>END FY 1981 FDP</u> <sup>1/</sup>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	662
On Hand/On Order	241	490	618	618
Z Inventory	36	74	94	94

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

<sup>3/</sup> Estimated

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 89

Nomenclature: Radio Set, AN/GRC-103

Description/Mission: The AN/GRC-103 is a general purpose radio set used in conjunction with 12/24 channel Pulse Code Modulation (PCM) multiplex equipment. It is the primary radio for the current Army tactical multichannel system, air defense artillery multichannel systems and for the digital multiplex equipment developed under the TRI-TAC program.

<u>Cost Data (\$ Mil.):</u>	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	145	11.7	232	9.1	58	2.4	0	0

Basis for FY 1983 Request: For PATRIOT missile terminals.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Contract</u>
Radio Set AN/GRC-103	Canadian Marconi Montreal, Canada	C/PP



Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	145	232	58	0	XXXX
Delivered	0	0	(305)	(130)	XXXX

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	5953
On Hand/On Order	3090	3322	4593	4668
% Inventory Objective Achieved	52	56	77	78

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 line item: 90

Nomenclature: Radio Set, AN/PRC-70

Descriptions/Mission: The AN/PRC-70 is a rugged, lightweight multi-mode manpack radio designed specifically for long range patrol by U.S. Army Special Forces and Ranger Battalions. This radio meets both the short and long range communications requirements and will give these forces a single unit capability of netting with AM, FM, CW, SSB, FSK radios.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	-0-	-0-	-0-	-0-	275	5.2	482	9.8

Basis for FY 1983 Request: At the present time, the Special Forces are relying on old (1950-1960) systems that require a combination of AN/GRC-109, AN/PRC-74, and AN/PRC-77 radios to meet their over-all need. Should the FY 1983 request be denied, these forces which are critical to the defense posture of the U.S., will continue to operate with equipments which have long exceeded their life expectancy and are now deteriorated to the point where maintenance requirements are causing serious impact on unit readiness and effectiveness.

Contract Data:

Major Subsystem  
AN/PRC-70

Contractor  
Cincinnati Electronics, Corp

Type of Last Contract  
FFP

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
Funded	0	0	275	482	XXXX	XXXX
Delivered	258	(257)	(236)	0	(275)	(482)

Inventory/Objectives:

	<u>END FY 1981 FDP</u> <sup>1/</sup>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	2170
On Hand/On Order	1074	1074	1349	1831
% Inventory Objective Achieved	49	49	62	84

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 92

Nomeclature: Radio Set, AN/VRC-12 Series

Description/Mission: The AN/VRC-12 is a VHF-FM radio set designed for vehicular or shelter-mounted applications in general tactical use. The components of this series are used in various combinations for form eight basic configurations. These sets are used in armored vehicles, missile and field artillery units, command posts, trucks, and other vehicles. All sets in this series can be secured by the TSEC/KY-57 (VINSON).

Cost Data (\$ Mil):

	FY 1981		FY 1982		FY 1983		FY 1984	
	Qty	Amt	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	0	0	6015	35.8	4042	31.7	0	0

Basis for FY 1983 Request: The radios requested for FY 83 are required to prevent further deterioration of the asset posture. Unless the FY 83 request is approved, normal losses will result in a decline to 53% of the Army inventory objective, which will severely impact combat readiness of tactical forces.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Radio Set, AN/VRC-12	To Be Determined	FFP

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	0	6015	4042	0	XXXX
Delivered	(1959)	0	0	(6015)	(4042)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>FY 1984</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	134787
On Hand/On Order	73480	79495	83537	83136
% Inventory Objective Achieved	54	59	62	62

<sup>1/</sup> FDP - Funded Delivery Period  
<sup>2/</sup> DFE - Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 93-95, and 98

Nomenclature: Tactical FM Radio Antennas (ROLL)

Description/Mission: This roll consists of tactical antennas OE-254, OE-303, OE-314 and AS-2259. These antennas, each having special transmission/reception characteristics, are designed for use with the VRC-12 series and SINCGARS VHF-FM radios. One or more of these antenna types will be issued to tactical units depending on mission requirements, enabling the units to maximize transmission/reception characteristics while minimizing the effectiveness of enemy jamming/direction-finding efforts.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost		-		-		14.3		8.1

Basis for FY 1984 Request: These antennas will enable tactical units to operate with less interference from enemy electronic countermeasures (ECM) activities, thus improving combat effectiveness. These antennas are one of the results of the Army's Communications System Engineering Program (CSEP) which makes on-the-scene surveys of tactical units to determine methods of improving combat effectiveness with existing technology.

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 96

Nomenclature: Test Set, AN/PRM-34

Description/Mission: The AN/PRM-34 test set is used at the organizational maintenance level to test the AN/VRC-12, AN/PRC-77, and AN/PRC-68 VHF-FM radios. It enables the organizational repairman to quickly isolate faults in the total radio system (receiver, transmitter, antennae, antenna mounts). Once isolated, the faulty part can be sent to the direct support level for repair/alignment.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	5310	8.0	403	.8	1005	2.6	0	0

Basis for FY 1983 Request: This will complete the inventory requirements for the PRM-34. The set is vitally needed by combat units to keep their FM radio equipment operating in proper alignment to ensure accurate transmission of tactical computer data and proper interface with secure voice equipment.

Contract Data:

Major Subsystem  
Test Set, AN/PRM-34

Contractor  
Cincinnati Electronics  
Cincinnati, OH

Type of Last Contract  
SS/FFP

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	5310	403	1005	0	XXXX
Delivered	0	0	(1830)	(3505)	(810)

Inventory/Objective :

	<u>END FY 1981 FDP</u> <sup>1/</sup>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	6718
On Hand/On Order	5310	5713	6718	6718
X Inventory Objective	79	85	100	100

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent



OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 100

Nomenclature: Radio Terminal, AN/TRC-145

Description/Mission: The AN/TRC-145 is a radio terminal assemblage of multiplex and radio equipment capable of terminating two 6/12 channel systems between major unit headquarters in divisions and tactical air defense units. It is used in forward areas in support of combat units which displace rapidly and frequently.

Cost Data ( \$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	0	302	45.5	159	23.9	0	0

Basis for FY 1983 Request: Funding for FY 1983 is needed to satisfy requirements for additional multichannel communications within the division operating areas in the active Army and to satisfy outstanding reserve requirements.

Contract Data:

Major Subsystem  
AN/TRC-145 Radio Terminal

Contractor  
CECOM  
Ft. Monmouth, NJ

Type of Contract  
Depot Assembly

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
Funded	0	302	159	0	XXXX	XXXX
Delivered	0	0	0	0	(302)	(159)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	1596
On Hand/On Order	721	1023	1182	1182
% Inventory Objective	45	64	74	74

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 103

Nomenclature: Small Unit Transceiver, AN/PRC-68

Description/Mission: The AN/PRC-68 Radio is a VHF (FM) single channel transceiver weighing only 46 ounces, designed for use at the small unit level. The radio provides short range, two way voice communications and is interoperable with all military VHF(FM) radios in the 30-80 MHz frequency range.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1983</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	2660	8.0	2500	8.1	2453	7.1	2530	7.2

Basis for FY 1983 Request: To provide AN/PRC-68 to high priority active Army units for use at the combat squad level and artillery battery level for small unit control and intrabattery communications. The radio will replace the current squad radios, AN/PRT-4 and AN/7PR-9.

Contract Data:

Major Subsystem  
Small Unit Transceiver,  
AN/PRC-68

Contractor  
MAGNAVOX  
Ft Wayne, IN

Type of Last Contract  
FFP

5-85 February 1982

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	2660	2500	2453	2530	XXXX
Delivered	1000	(3040)	(2800)	(2925)	( 2858)

Inventory/Objective:

	<u>END FY 1981 FDP</u> <sup>1/</sup>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	31562
On Hand/On Order	6670	9170	11573	14103
% Inventory Objective Achieved	21	29	37	45

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 104

Nomenclature: Steerable Null Antenna Processor (SNAP I), CP-1380

Description/Mission: SNAP I is an antenna processor that works with two center fed whip antennas, such as the AS-1729/VRC, and a VHF-FM communication receiver of the AN/VRC-12 family, in order to provide anti-jam protection. The processor provides an electronically steerable null in the antenna pattern in order to reduce effectiveness of an unwanted signal, such as jamming or other interference. The processor is intended for vehicular mounting.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapon System Cost	-0-	-0-	-0-	-0-	343	4.1	690	8.1

Basis for FY 1984 Request: First time buy of item urgently required to reduce effectiveness of enemy jamming against forward deployed combat forces.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Steerable Null Antenna Processor (SNAP-I), CP-1380	Hazeltine, Greenlawn, N.Y.	None

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
Funded	0	0	345	690	XXXX	XXXX
Delivered	0	0	0	0	345	(690)

Inventory/Objective:

	<u>END FY 1981 FDP<sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	20902
On Hand/On Order	.0	0	345	1035
% Inventory Objective Achieved	0	0	2	5

<sup>1/</sup> FDP - Funded Delivery Period

<sup>2/</sup> DFE - Division Force Equivalent

5-88 February 1982

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 105

Nomenclature: Steerable Null Antenna Processor - II (SNAP II)

Description/Mission: The SNAP II is an electronic counter-countermeasure (ECCM) device that will provide additional anti-jamming protection to the new SINGARS family of VHF-FM radios. It consists of a processor and a second whip antenna identical to the one already on the vehicle. The processor creates an electronically steerable null in the reception pattern of the antennas, thus making it possible to drastically reduce the opponent strength of a jamming or other interfering signal in the direction of that signal. It differs from the SNAP I in being able to function in the frequency-hopping mode.

Cost Data (\$ Mil):

	FY 1981		FY 1982		FY 1983		FY 1984	
	Qty	Amt	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	0	0	0	0	0	0	450	6.0

Basis for FY 1983 Request: This will be the first buy of the SNAP II, timed to coincide with the introduction of the SINGARS VHF-FM radio. This item is necessary for effective command control communications in a modern electronic warfare environment.

Contract Data:

Major Subsystem  
 Antenna Processor, SNAP II

Contractor  
 To Be Determined

Type of Last Contract  
 None

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
Funded	0	0	0	450	XXXX	XXXX
Delivered	0	0	0	0	0	(450)

Inventory/Objective:

	<u>END FY 1981 FDP</u> <sup>1/</sup>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	30000 <sup>3/</sup>
On Hand/On Order	0	0	0	450
% Inventory Objective Achieved	0	0	0	1.5

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

<sup>3/</sup> Estimate



OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 106

Nomenclature: Telephone Field TA-838

Description/Mission: The TA-838 is a solid state dual tone modulated frequency (DTMF) two wire/four wire telephone intended for use in automatic switching systems under tactical conditions. Operating power is obtained from common or local batteries.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	0	3150	4.0	1600	2.3	3759	4.1

Basis for FY 1983 Request: Fill urgent field requirements.

Contract Data:

Major Subsystem

Telephone Field TA-838

Contractor

Apoca, Ind.  
Deer Park, Long Island, NY

Type of Last Contract

SS/8A SRA Set-Aside

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	0	3150	1600	3759	XXXX
Delivered	0	(1200)	(500)	(4250)	(3759)

Inventory/Objective:

	<u>END FY 1981 FDP</u> <sup>1/</sup>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	13500 <sup>3/</sup>
On Hand/On Order	4303	7306	8906	12444
X Inventory Objective	32	54	66	92

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

<sup>3/</sup> Estimated

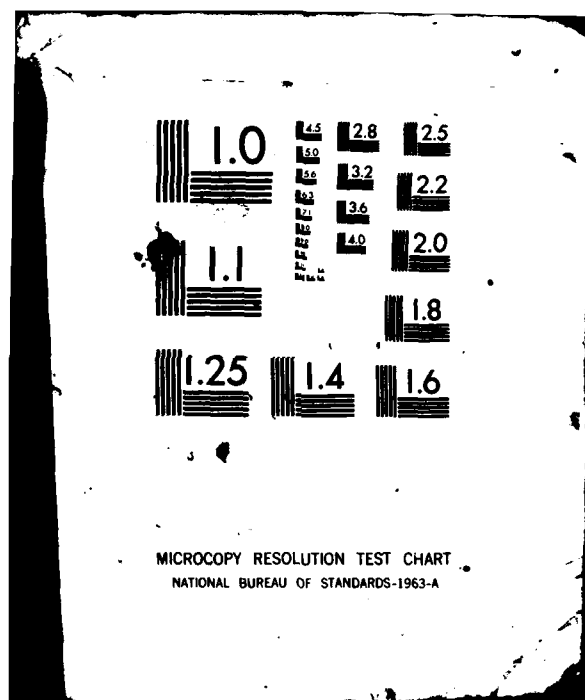
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DEPARTMENT OF THE ARMY JUSTIFICATION OF ESTIMATES FOR FISCAL YE--ETC(U)  
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OFFICE OF THE SECRETARY OF DEFENSE WASHINGTON DC F/G 5/1  
DEPARTMENT OF THE ARMY JUSTIFICATION OF ESTIMATES FOR FISCAL YE--ETC(U)  
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OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 109

Nomenclature: Teletypewriter, AN/UCC-140

Description/Mission: The AN/UCC-140 is the advanced teletypewriter with a digital adapter and memory capability which will be used throughout the TRI-TAC system.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	0	0	0	0	0	1700	25.2

Basis for FY84 Request: The FY84 funding will provide for procurement of equipment to support the fielding of the TRI-TAC switches on schedule. Failure to fund will increase future procurement costs and will be detrimental to the TRI-TAC balanced fielding program.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Contract</u>
Teletypewriter, AN/UCC-140	Honeywell Inc. Tampa, FL	SS/FFP

<u>Production Data:</u>	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
Funded	0	0	0	1700	XXXX	XXXX
Delivered	0	0	(0)	(0)	(300)	(1400)

<u>Inventory/Objective:</u>	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	1724
On Hand/On Order	0	0	0	1700
Inventory Objective Achieved	0	0	0	99

FDP = Funded Delivery Period <sup>1/</sup>  
 DFE = Division Force Equivalent <sup>2/</sup>

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 111

Nomenclature: FM Multiplexer TD-1289

Description/Mission: The FM Transceiver Multiplexer will have the capability of combining two to five tactical radio transceivers, each with a power output capability of 60 watts, on a single antenna. The Multiplexer used in combination with an omnidirectional broadband antenna, such as the OE-254, will result in a simpler, faster, and less detectable installation with reliable and predictable isolation between individual transceivers.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	685	5.9	683	3.9	4135	23.4	459	4.3

Basis for FY 1983 Request: To provide the FM transceiver multiplexer to combat units at all echelons from theater down through battalion levels. This device will reduce the time required to set up or take down the communications complex for tactical command posts by reducing the required number of antennas. The smaller number of antennas will reduce both the visual and the electronic profile, thus reducing the detectability of the command post. The multiplexer will also simplify frequency assignments and provide better spectrum utilization.

Contract Data:

Major Subsystem  
FM Multiplexer, TD-1289

Contractor  
Collins Radio  
Cedar Rapids, IA

Type of Last Contract  
FFP

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	685	683	4135	459	XXXX
Delivered	0	(245)	(685)	(683)	(4135)

Inventory/Objective:

	<u>END FY 1981 FDP</u> <sup>1/</sup>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	7280
On Hand/On Order	919	1602	5737	6196
% Inventory Objective Achieved	12	22	79	85

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent



OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

F-1 Line Item: 115

Nomenclature: Joint Crisis Management Capability (JCMC)

Description/Mission: Joint Crisis Management Capability (JCMC) provides the commanders of the unified commands an airborne/transportable package to rapidly deploy for crisis management and joint military contingency operations. The system will provide jam-resistant circuits from deployed locations to the unified commands.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost:		13.7		0		14.5		24.6

Basis for FY 1983 Request: Provides procurement of off-the-shelf military and commercially developed equipment to produce five complete JCMC packages. Delay of funds places the Army program out of synchronization with Air Force aircraft modifications.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 117-121

Nomenclature: STARCOM NON-DCS (ROLL)

Description/Mission: This roll includes the Army Telecommunication Automation Program (ATCAP), CE Facilities/Projects, and Electromagnetic Compatibility Program (EMCP). The ATCAP program, which is the principal item, is designed to consolidate, automate, and standardize telecommunications centers and provide improved record traffic services and writer-to-reader message services to U.S. Forces commanders worldwide. These automated facilities are capable of supporting an increasing number of management information systems while providing more efficient narrative communications services with reduced manpower requirements. Programs funded in this roll are used to procure dedicated communications systems such as the FIESTA microwave system which supports White Sands Missile Range. Also included are specialized test, measurement, and diagnostic equipment to support fixed communications sites and to monitor Army facilities world-wide to identify electromagnetic compatibility problems and/or electromagnetic radiation hazards.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapon System Cost		21.6		33.4		15.8		17.9

Basis for FY 1983 Request: Provides Army with automated telecommunications center functions through the use of state-of-the-art Standard Remote Terminals, teletypewriters, and Automated Multi-Media Exchanges; also provides automation of manual telecommunications center functions. Denial of FY 1983 funds will result in retention of telecommunications facilities which are inadequate to meet operational requirements of modern armed forces, and which are experiencing rapidly escalating maintenance cost. Without the required special test equipment, the operating systems cannot be kept within operating standards, and electromagnetic compatibility/electromagnetic radiation hazards may go undetected.

**OTHER PROCUREMENT, ARMY**  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 122-124

Nomenclature: Long Haul Communications (DCS) (Roll)

Description/Mission: This roll includes Transmission Media, Secure Voice Improvement Program (SVIP), and World Wide Tech Control Improvement Program. Provides for expansion and upgrade of the Defense Communications System (DCS) long-haul telecommunications transmission systems worldwide, excluding the Defense Satellite Communications System (DSCS). The DCS provides transmission paths (channels) for voice and record message traffic worldwide on a common user basis, and on a point-to-point basis when justified. The SVIP will provide secure telephone facilities for Department of Defense activities world wide.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapon System Cost:		17.1		26.3		18.5		38.3

Basis for FY 1983 Request: Provides for Digital European Backbone (DEB) upgrade for U.S. forces located in Europe. The conversion from the current analog to the objective digital system will significantly increase transmission efficiency, decrease maintenance manpower requirements, and permit installation of communication security (COMSEC) equipment to protect the system from hostile exploitation.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 125-132

Nomenclature: Defense Satellite Communications System (DSCS)

Description/Mission: The Defense Satellite Communications System (DSCS) accommodates a wide range of global strategic and tactical communications requirements. DSCS satisfies Command, Control, and Intelligence Communications for special presidential missions, National Emergency Airborne Command Post (NEACP), Strategic Air Command (SAC) Airborne Command Post, Ground Mobile Forces, Diplomatic Telecommunications Service, NATO, and UK requirements. DSCS is used to establish jam resistant secure communications among the National Command Authority/Joint Chiefs of Staff and selected Worldwide Military Command and Control System (WMCCS) activities during crisis situations. DSCS is employed in the Defense Communications System to provide electronics counter countermeasures (ECCM) transmission capability, support of quick reaction contingency operations, and intra-area trunking in the European and Pacific theaters to support CINCEUR and CINC PAC command and control requirements. DSCS is currently being equipped to provide an Electronics Counter Counter-Measure (ECCM) capability to satisfy critical command, control, communications and intelligence requirements during enemy jamming; new terminals and satellites with increased capacity and capability; and computer control equipments to enhance system communications control.

Cost Data (\$ Mil):

	FY 1981		FY 1982		FY 1983		FY 1984	
	Qty	Amt	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost		110.9		141.0		189.2		119.7

Basis for FY 1983 Request: The FY 1983 program includes funding for super high frequency (SHF), jam resistant secure light transportable, state-of-the-art medium transportable, and multiple beam antenna satellite communications terminals and associated digital communications subsystems to support the DSCS and WMCCS. Funding also provides electronics counter countermeasures (ECCM), operations control system to monitor, control, and reconfigure the DSCS on a near real-time basis, and DSCS interface control link with ground mobile tactical forces in crisis situations. Should the budget request be denied, Army will be unable to continue multi-year contracts for jam resistant secure communications in support of WMCCS and for replacement of obsolete medium transportable communications terminals and subsystems. Army will also be unable to support Air Force launch of DSCS III satellites due to non availability of the Satellite Configuration Control Element. In addition, contract termination charges will be incurred.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 137

Nomenclature: Satellite Communications Terminal, AN/TSC-85

Description/Mission: The AN/TSC-85 is a multichannel, super high frequency (SHF) tactical terminal which provides up to 96 voice channels of jam-resistant multi-point communications. It is highly mobile, capable of rapid set-up/tear-down, and relatively independent of terrain and weather conditions for reliable communications. It provides the needed improvements to maintain Army tactical force readiness.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	12	12.4	24	22.0	36	32.8	0	0

Basis for FY 1983 Request: The FY 1983 program is the last year of the multi year contract which started in FY 1979 and supports forward deployed, rapidly deployed, and PONDUS forces. Should the budget request be denied, the operational lifetime of existing terrestrial equipment would have to be extended beyond planned phaseout schedules with the result that less reliable command and control communications will be used by tactical forces. In addition to the operational impact, contract termination charges will be incurred.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
AN/TSC-85	Harria Corporation Melbourne, FLA	Fixed Price

5-101 February 1982

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	12	24	36	0	XXXX
Delivered	0	(6)	(17)	(23)	(33)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	166
On Hand/On Order	26	50	86
% Inventory Objective Achieved	16	30	52

<sup>1/</sup> FDP - Funded Delivery Period  
<sup>2/</sup> DFE - Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 138

Nomenclature: Satellite Communications Terminal, AN/TSC-93

Description/Mission: The AN/TSC-93 is a multichannel, super high frequency (SHF) tactical terminal which provides up to 24 voice channels of jam resistant point-to-point or non-nodal communications. It is highly mobile, capable of rapid set-up/tear-down, and relatively independent of terrain and weather conditions for reliable communications. It provides needed improvements to maintain Army tactical force readiness.

Cost Data (\$ Mil):

<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
21	9.3	52	24.1	44	23.0	0	0

Basis for FY 1983 Request: The FY 1983 program is the last year of the multi-year contract which started in FY 1979 and supports forward deployed, rapidly deployed, and POMCUS forces. Should the budget request be denied, the operational lifetime of existing terrestrial equipment would have to be extended beyond planned phaseout schedules with the result that less reliable command and control communications will be used by tactical forces. In addition to the operational impact, contract termination charges will be incurred.

Contract Data:

Major Subsystem

AN/TSC-93

Contractor

Harris Corporation,  
Melbourne, FL

Type of Last Contract

Fixed Price

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	21	52	44	0	XXXX
Delivered	0	(9)	(28)	(49)	(41)

Inventory/Objective:

	<u>END FY 1981 FDP</u> <u>1/</u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>
Force Units - DFE <u>2/</u>	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	262
On Hand/On Order	45	97	161
% Inventory Objective Achieved	17	37	54

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent



OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 140

Nomenclature: EUCOM C<sup>3</sup>(NWS)

Description/Mission: This program is designed to upgrade the command and control and communications (C<sup>3</sup>) for the critical Nuclear Weapons Storage (NWS) sites of the U.S. European Command (EUCOM). The mid-term High Frequency (HF) upgrade (REGENCY NET) project will provide AN/MRC-XX(v)1 and MRC-XX(v)2 transportable terminals for use at detachment and Corps/field artillery Group levels respectively. The terminals will be fully integrated with the satellite communications terminal AN/NSC-64 and will replace radio sets AN/MRC-117, AN/TRC-133A, AN/FRC-93.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost		1.6		14.5		44.9		46.2

Basis for FY 1983 Request: Will provide funding for procurement of shelter mounted transportable high frequency (HF) radios and necessary engineering support for upgrade of communications at NWS sites in Europe. If Army request is denied, deterioration of NWS communications will continue until antiquated HF equipments can no longer be maintained.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 141

Nomenclature: EUCOM War HQ

Description/Mission: This item includes all the telecommunications hardware and installation necessary to provide voice and data communications service in support of critical EUCOM functions to be performed in SHAPE Project 85. The FY83 phase will provide hardware and installation for the EUCOM liaison cell to be collocated with the new SHAPE War HQ in Belgium. The FY84 phase will provide the required hardware and installation in the EUCOM War HQ in the United Kingdom.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost						4.9		29.9

Basis for FY 1983 Request: This funding is required to provide the necessary communications facilities to support the EUCOM liaison cell in the SHAPE War HQ.

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item 142

Nomenclature: Auto Key DC HX-83/TSEC

Description/Mission: The automatic key distribution center (AKDC) HX-83/TSEC was designed under the TRI-TAC program to electronically distribute the cryptographic key information used to encrypt/decrypt secure communications being switched through the AN/TTC-39 circuit switch, the AN/TYC-39 message switch, and the AN/TSQ-111 Communications Modal Control Element (CMCE).

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	36	1.1	52	1.8	65	2.2	55	1.8

Basis for FY 1983 Request: \* This will be the first year of a three year multiyear contract for this item which is being procured in phase with the major switch elements it is designed to support.

Contract Data:

Major Subsystem

AKDC, HX-83

Contractor

RCA, Camden, NJ (FY80-82)  
To Be Determined (FY83-85)

Type of Last Contract

CPIF

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
Funded	36	52	65	55	XXXX	XXXX
Delivered	0	0	(47)	(61)	(60)	(18)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	383
On Hand/On Order	63	115	180	235
% Inventory Objective Achieved	16	30	47	61

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 145

Nomenclature: BERDAN, KGV-9 (MEM)

Description/Mission: The KGV-9/TSEC message encryption module (MEM) was designed by NSA to secure Defense Satellite Communications System (DSCS) systems which use the Spread Spectrum Quadriphase Shift Keying (QPSK) modulation format. The KGV-9 module will be retrofitted into the USC-28/OM-55 modems.

Cost Data (\$Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	0	700	1.4	2700	10.1	0	0

Basis for FY 1983 Request: This is the final planned buy of this item which is vitally needed to secure QPSK satellite communications transmissions. No other equipment is capable of doing this job.

Contract Data:

Major Subsystem

MEM, KGV-9/TSEC

Contractor

To Be Determined

Type of Last Contract

None

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	0	700	2700	0	XXXX
Delivered	0	0	0	230	3170

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	3400
On Hand/On Order	0	700	2700	2700
% Inventory Objective Achieved	0	18	79	79

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 146

Nomenclature: Ded Loop Encryp Dev KG-84

Description/Mission: The Dedicated Loop Encryption Device, TSEC/KG-84, was developed under the TRI-TAC program to encrypt data and teletypewriter signals from dedicated (unswitched) AM/TYC-39 subscribers to a store and forward module. It is also intended to meet other point-to-point and netted record and data COMSEC requirements such as CRITICOM, WANCCS, and DSCS.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	636	4.9	914	6.7	3079	19.1	825	5.1

Basis for FY 1983 Request: The KG-84 is required to encrypt certain circuits in both tactical (TRI-TAC) and strategic (DSCS) applications for the Army and common users (Defense Communications System). The FY 83 program includes KG-84 equipment to provide interoperability of satellite communications systems with terrestrial systems such as the Automatic Digital Network (AUTODIN). A large number of KG-84's are required for tactical signals intelligence (SIGINT), management information systems, and missile range data transmission systems.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Ded Loop Encryp Dev, KG-84	Bendix Towson, MD	FFP

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
Funded	636	914	3079	825	XXXX	XXXX
Delivered	222	(449)	(697)	(1415)	(686)	(3079)

Inventory/Objective:

	<u>END FY 1981 FDP<sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	8537
On Hand/On Order	1895	2809	5888	6713
% Inventory Objective Achieved	22	33	69	78

<sup>1/</sup> FDP - Funded Delivery Period

<sup>2/</sup> DFE - Division Force Equivalent



**OTHER PROCUREMENT, ARMY**  
**Tactical Telecommunications Equipment Data Sheet**

Service: Army

P-1 Line Item: 148

Nomenclature: Digital Subscriber Voice Terminal, TSEC/KY-68

Description/Mission: The Digital Subscriber Voice Terminal, TSEC/KY-68 is a secure subscriber instrument used to transmit voice or data over the TRI-TAC Communications system. It will also be used in certain tactical signals intelligence (SIGINT) systems to transmit compartmented information.

Cost Data (\$ Mil):

	FY 1981		FY 1982		FY 1983		FY 1984	
	Qty	Amt	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	222	3.3	271	1.3	3417	16.2	6729	31.6

Basis for FY 1983 Request: This will be the second year of a planned three-year multiyear contract. Required to provide secure voice and data communications at all tactical echelons.

Contract Data:

Major Subsystem  
 DSVT, TSEC/KY-68

Contractor  
 RCA - Camden NJ (FY81)  
 To be Determined (FY82-84)

Type of Last Contract  
 CPIC  
 FFP 3 YR NY

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
Funded	222	271	3417	6729	XXXX	XXXX
Delivered	0	0	(132)	(445)	(2742)	(6779)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory objective	XXXX	XXXX	XXXX	16116
On hand/On Order	390	661	4078	10807
% Inventory Objective Achieved	2	4	25	67

1/ FDP = Funded Delivery Period

2/ DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 153

Nowlature: Loop Key Gen, TSEC/KG-82

Description/Mission: The loop key generator, TSEC/KG-82, is used in the TRI-TAC system to provide the Message Switch, AM/TYC-39, with the cryptography necessary to establish and maintain communications with secure subscriber terminals. The Message Switch will use the KG-82 to encrypt/decrypt subscriber bound/originated traffic and signaling.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	909	4.6	809	3.7	1192	4.2	822	2.9

Basis for FY 1982 Request: The FY 1983 request will provide COMSEC equipment to support fielding of the AM/TYC-39 (TRI-TAC) Message Switch.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
Loop Key Gen, TSEC/KG-82	To Be Selected	CPIF

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	909	809	1192	822	XXXX
Delivered	0	0	(401)	(1334)	(1120)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>FY 1984</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	6111
On Hand/On Order	1154	1963	3155	3977
% Inventory Objective Achieved	19	32	51	65

<sup>1/</sup> FDP = Funded Delivery Period  
<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

F-1 Line Item: 154

Nomenclature: Message Encrypt Module KN-2 (MADREY)

Description/Mission: The TSEC/KN-2 is a rack-mounted message encryption device providing secure communications in the Special Communications System which transmits Emergency Action Messages (EAM) for the National Command Authority. The KN-2 also provides such systems functions as data formatting, message generation, and address formatting. It provides encryption for VHF Satellite record traffic in three modes. The KN-2 will become an integral part of the AN/MSC-64 and AN/GSC-40 satellite communications terminals.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	0	73	6.0	188	15.2	199	15.0

Basis for FY 1983 Request: This is the second year of production for the TSEC/KN-2. The KN-2 performs functions which cannot be performed by any other existing or planned equipment. This equipment must be provided in order for the Special Communications System to be operated securely.

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
TSEC/KN-2	To Be Determined	None

5-117 February 1982

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>	<u>FY 1986</u>
Funded	0	73	188	199	XXXX	XXXX
Delivered	0	0	0	(73)	(188)	(199)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>FY 1984</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	460
On Hand/On Order	0	73	261	460
Z Inventory Objective	0	16	56	100

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Tactical Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 156

Nomenclature: Net Con Dev KYX-15/TSEC

Description/Mission: The Net Control Device, KYX-15/TSEC, is used to control cryptographic keying of FM radio nets that are secured by the TSEC/KY-57/58 VINSON secure voice equipment. By use of this device, the net control station operator can provide changes of key to all stations or selected stations in a net. It is thus possible to exclude a station which has been captured, or to make rapid net realignments in a changing battle situation.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	1861	1.4	2086	1.2	3189	3.0	2694	2.6

Basis for FY 1983 Request: This provides funding for the third year of the second three year multiyear contract. Required to support the increasing number of FM nets which are being secured by the KY-57/58.

Contract Data:

Major Subsystem

KYX-15/TSEC

Contractor

Burroughs, Paoli, PA

Type of Last Contract

FFP 3 YR NY

3-119 February 1982

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	1861	2086	3189	2694	XXXX
Delivered	1112	(4286)	(2919)	(2727)	(1330)

Inventory/Objective:

	<u>END FY 1981 FDP</u> <sup>1/</sup>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	28783
On Hand/On Order	5635	7721	10910	13604
% Inventory Objective Achieved	.19	26	38	47

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent



OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 157

Nomenclature: Speech Security Equipment, TSEC/KY-57

Description/Mission: A half-duplex, wideband, tactical secure voice equipment designed for manpack and vehicular application. New microminiaturized light weight equipment to provide secure voice communications for VHF-FM tactical radios used in armor, vehicular and manpack configurations.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	8325	34.0	8742	35.7	13026	53.2	14160	64.4

Basis for FY 1983 Request: Provides security for voice/data transmissions on the AN/PRC-77 and VRC-12 tactical radios. National goal is to

Contract Data:

Major Subsystem

TSEC/KY-57

Contractor

Honeywell - Tampa, FL  
Pendix - Towson, MD

Type of Last Contract

FFP 3 YR MY

5-121 February 1982

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	8325	8742	13026	14166	XXXX
Delivered	1418	(18180)	(13044)	(6642)	(11516)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>FY 84</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	103798
On Hand/On Order	37963	46705	60871	73897
% Inventory Objective Achieved	36	45	59	73

<sup>1/</sup> FDP - Funded Delivery Period  
<sup>2/</sup> DFE - Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 158

Nomenclature: Speech Security Equipment, TSEC/KY-58

Description/Mission: Half-duplex, wideband secure voice equip designed for airborne tactical use. New microminaturized light weight equipment to provide communications security for VHF-FM and UHF-AM radios in all tactical aircraft. This equipment is also required in some ground applications in the TRI-TAC program, as well as for tactical air traffic control operations.

Cost Data (\$ Mil):

	FY 1981		FY 1982		FY 1983		FY 1984	
	Qty	Amt	Qty	Amt	Qty	Amt	Qty	Amt
Weapons System Cost	2018	6.3	2081	6.0	4092	11.8	3255	9.2

Basis for FY 1983 Request: Provides security for aircraft radios and certain ground installations, including air traffic control. National goal is to

Contract Data:

<u>Major Subsystem</u>	<u>Contractor</u>	<u>Type of Last Contract</u>
TSEC/KY-58	Honeywell - Tampa, FL Bendix - Towson, MD	FFP 3 YR NY

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	2018	2018	4092	3255	XXXX
Delivered	515	(4614)	(4516)	(3859)	(2484)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>FY 84</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	19745
On Hand/On Order	10167	13950	14638	17893
% Inventory Objective Achieved	51	71	83	91

<sup>1/</sup> FDP = Funded Delivery Period  
<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 159

Nomenclature: TSEC/KY-65

Description/Mission: The TSEC/KY-65 (PARKHILL) is a narrowband secure voice equipment designed to provide encrypted voice-only communications in high frequency (HF) radios and in selected wireline applications.

Cost Data (\$Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	0	0	0	625	7.4	0	0

Basis for FY 1983 Request: Required to provide narrowband secure voice capability for Rapid Deployment Force, Special Forces, and other special units.

Contract Data:

Major Subsystem  
TSEC/KY-65

Contractor  
Bendix - Towson, MD

Type of Last Contract  
FFP w/options

Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	0	0	625	0	XXXX
Delivered	0	0	0	0	(625)

Inventory/Objective

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 1983 FDP</u>	<u>END FY 1984 FDP</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	3300
On Hand/On Order	914	914	1539	1539
% Inventory Objective Achieved	28	28	47	47

<sup>1/</sup> FDP = Funded Delivery Period

<sup>2/</sup> DFE = Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 160

Nomenclature: TEMPEST (COMSEC)

Description/Mission: TEMPEST is a phenomenon through which inadvertently emitted electronic signals can be intercepted and exploited by hostile collection efforts. The U.S. Army Intelligence and Security Command (INSCOM) operates mobile TEMPEST testing vans which survey fixed communications facilities periodically to determine whether TEMPEST hazards exist. These vans contain highly sensitive antennas, receivers, recorders, calibration sets, and spectrum analyzers, and a variety of other equipment. Periodic upgrade of this equipment is extremely important in order to have the best possible assurance that no potentially compromising signals escape our analysis surveys.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost		.5		.9		2.1		2.9

Basis for FY 1983 Request: This is the first year of a planned major upgrade in which five of the ten vans currently fielded will be replaced with new vans which contain the latest technology receivers, and recorders, and microprocessors to keep abreast of advances in TEMPEST discovery and analysis capability. If the existing vans and their equipment are not replaced, the capability of INSCOM to perform the TEMPEST inspection will rapidly disappear.

OTHER PROCUREMENT, ARMY  
Tactical Telecommunication Equipment Data Sheet

Service: Army

P-1 Line Item: 161

Nomenclature: Tnk Encryp Dev, TSEC/KG-81

Description/Mission: The Trunk Encryption Device, TSEC/KG-81, is a general purpose full-duplex Key Generator used primarily for bulk encryption of multichannel traffic. In TRI-TAC applications, the KG-81 will encrypt trunk group traffic between circuit switches, traffic between loop group multiplexers and the circuit switch, and traffic between the circuit and store and forward message switches. In strategic communications applications, the KG-81 will encrypt trunk group traffic in switching centers at rates up to 20 Megabits/Sec.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	324	2.9	293	3.7	1217	19.5	507	9.2

Basis for FY 1983 Request: Required to provide bulk encryption of high-volume voice and data circuits in the tactical (TRI-TAC) and strategic (Defense Satellite Communications System, Washington Area Wideband System, Digital European Backbone, and other communications programs). No other Key Generator is capable of encrypting multichannel communications at the high data rates of these systems.

Contract Data:

Major Subsystem

Tnk Encryp Dev,  
TSEC/KG-81

Contractor

TRW-Colorado Electronics  
Colorado Springs, CO

Type of Last Contract

FPF

5-123 February 1982



Production Data:

	<u>FY 1981</u>	<u>FY 1982</u>	<u>FY 1983</u>	<u>FY 1984</u>	<u>FY 1985</u>
Funded	324	293	1217	507	XXXX
Delivered	171	461	(571)	(223)	(1217)

Inventory/Objective:

	<u>END FY 1981 FDP <sup>1/</sup></u>	<u>END FY 1982 FDP</u>	<u>END FY 193 FDP</u>	<u>FY 1984</u>
Force Units - DFE <sup>2/</sup>	XXXX	XXXX	XXXX	24
Inventory Objective	XXXX	XXXX	XXXX	4150
On Hand/On Order	881	1174	2391	2898
% Inventory Objective Achieved	21	28	57	70

<sup>1/</sup> FDP - Funded Delivery Period

<sup>2/</sup> DFE - Division Force Equivalent

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 163-164

Nomenclature: UMSTEAD (Roll)

Description/Mission: This roll includes both the CI-11-1 Control Console and CI-11-2 Remote Terminal components of the UMSTEAD system which is designed to secure the Control Orderwire Subsystem (COSS) of the DSCS III communications satellite program. This equipment is for ground stations only.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost		0		0		12.7		12.9

Basis for FY 1983 Request: This funding will provide the initial UMSTEAD systems which will permit additional secure voice channels to be operated over the existing DSCS III system without adding additional satellites or earth terminals.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 165

Nomenclature: BATSON II, TSEC/CX-14

Description/Mission: BATSON II is designed to secure the Satellite Configuration Control Element (SCCE) for the DSCS III Communications Satellite program.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost:		5.4		5.4		2.5		0

Basis for FY 1983 Request: This completes the Army funding for the BATSON II program. If these funds are not provided, unauthorized manipulation/exploitation of DSCS III control functions could occur.

OTHER PROCUREMENT, ARMY  
Other Telecommunications Equipment Data Sheet

Service: Army

P-1 Line Item: 167-170

Nomenclature: Base Communications (Roll)

Description/Mission: Equipment for new installations, improvements, and expansion of administrative telephone switching exchanges and other non-tactical telecom terminals at posts, camps and stations in the United States and Army installations worldwide.

Cost Data (\$ Mil):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost		29.3		29.3		50.2		20.5

Basis for FY 1983 Request: The majority of this request (\$35.6 million) is required to install new electronic switching and other related equipment needed to replace the inadequate pre-World War II telephone system used by the U.S. Army in Europe. The remainder is required to provide badly needed improvement to outmoded base communications systems in the U.S. and in Army installations in the Pacific.

OTHER PROCUREMENT, ARMY

Other Electronics Systems/Equipment Data Sheet

Service: Army

P-1 Line Item: 171

Nomenclature: TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) MODERNIZATION

Description/Mission: TMDE, Modernization will upgrade the manual operated TMDE, currently in the Army inventory. The equipment to be procured is commercial off-the-shelf that has greater accuracy and is more reliable than current tube type equipment. Each item of new equipment will replace one to nine items of existing equipment.

Cost Data (\$M):

	<u>FY 1981</u>		<u>FY 1982</u>		<u>FY 1983</u>		<u>FY 1984</u>	
	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>	<u>Qty</u>	<u>Amt</u>
Weapons System Cost	0	22.7	0	14.5	0	18.5	0	.6.8

Basis for FY 1983 Request: The FY 1983 program continues multiyear procurements of state of the art and includes: \$1.3M for Transmission Test Sets; \$1.2M for Oscilloscopes; \$2.6M for Sweep Signal Generators; \$2.4M for Digital Multimeters; \$3.6M for SHF, Signal Generators and \$7.6M for VHF-UHF Signal Generators. Should the budget request be denied the field soldiers will have to continue to use the currently fielded tube type obsolete equipments. In addition to the operational impact, contract termination charges will be incurred.

OTHER PROCUREMENT, ARMY

Section 7

Analysis of Unobligated Balances

5-134 February 1982

# OTHER PROCUREMENT, ARMY

## Analysis of Unobligated Balances - FY 1983 Program\*

<u>Category</u>	Estimated Unobligated Dollars (Millions)	% of Total Unobligated
1. Reserved to support contracts	1265.8	66.9
2. Engineering Changes	219.5	11.6
3. Other	406.8	21.5
Total Unobligated FY 1982	1892.1	-100.0%

Based on past experience, it is predicted that the above amounts will remain unobligated at the end of FY 83. Reasons for the unobligated balance have been grouped into three general categories, and are detailed below. These unobligated amounts will therefore be required in subsequent fiscal years to complete the procurement of the FY 83 program.

### 1. Reserved to Support Contracts:

- Held pending award of firm contracts as opposed to letter orders.
- Amounts reserved for incentive contract payments.
- Reimbursements to be made to the Army Stock Fund for short leadtime materiel purchased as Government-furnished equipment for producers.
- Amounts held to support Product and Component Improvement Programs; modification for retrofit during production; modifications ordered by customers.
- Contractor claims, reserves to cover potential liabilities for contracts containing escalation clauses for labor or material cost increases and price redeterminations.
- Contract for close-out costs; packing, crating, handling and packaging and loading charges.
- Government-furnished equipment breakout procurements; federal excise tax and sales tax payments; preparation of manuals and technical data; and reserve for completion of construction elements of production base support facilities projects.
- Delay due to design or testing difficulties.
- Award protests.
- Insufficient procurement detail involving reimbursable orders.
- Develop adequate competitive procurement or technical data package.
- Items released to Army by other customers too late to permit obligation in FY 1982

\*Includes estimated FY 82 carry-over and other customer reimbursable programs.

OTHER PROCUREMENT, ARMY (Continued)

2. Engineering Changes:

- a. Engineering costs in support of production (obligated only as expenses are incurred).
- b. Validated engineering change orders to be incorporated into the current manufacturing process.
- c. Engineering changes as a result of acceptance testing, destructive and proving ground tests.
- d. Amounts reserved to support engineering change proposals and value engineering proposals.

3. Other:

- a. Changes to the previously planned method of procurement (i.e., competitive in lieu of sole source).
- b. Extension to bid opening dates.
- c. Additional time required to complete audits of cost data and to obtain contractor cost data.
- d. Unfavorable pre-award surveys and extended negotiations.
- e. Held pending validation of production capability of low bidder.
- f. Attaining a satisfactory production rate prior to awarding additional work.



OTHER PROCUREMENT, ARMY

Appendix

Consultants, Studies and Analyses, and Management Support Contracts

Exhibit PB-21, Special Analysis

Narrative Justification

5-137 February 1982

FY 1963 PRESIDENT'S BUDGET  
PB-21, SPECIAL ANALYSIS  
CONSULTANTS, STUDIES AND ANALYSES  
AND MANAGEMENT SUPPORT CONTRACTS  
(DOLLARS IN THOUSANDS)

APPROPRIATION: OTHER PROCUREMENT, ARMY

DATE: 01/25/62

	FY 1961	FY 1962	FY 1963
<b>A. EXPERTS AND CONSULTANTS</b>	-	-	-
1. PERSONNEL APPOINTMENTS	-	-	-
A. EXPERTS	-	-	-
B. CONSULTANTS	-	-	-
(1) FEDERAL ADVISORY COMMITTEE MEMBERS	-	-	-
(2) ALL OTHER APPOINTED CONSULTANTS	-	-	-
2. CONTRACT CONSULTANTS	-	-	-
<b>B. CONTRACT STUDIES &amp; ANALYSES</b>	-	-	-
1. CONSULTING SERVICES	-	-	-
2. OTHER	-	-	-
<b>C. PROFESSIONAL AND MANAGEMENT SERVICES BY CONTRACT</b>	<b>2,825</b>	<b>1,875</b>	<b>510</b>
1. PROGRAM MANAGEMENT SUPPORT	1,661	790	268
A. CONSULTING SERVICES	-	-	-
B. OTHER	(1,661)	(790)	(268)
2. POLICY REVIEW AND DEVELOPMENT	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
3. SPECIFICATION DEVELOPMENT	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
4. SYSTEMS ENGINEERING	90	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	(90)	-	-

APPROPRIATION: OTHER PROCUREMENT, ARMY

DATE: 01/25/82

	FY 1981	FY 1982	FY 1983
5. TECHNOLOGY SHARING/ UTILIZATION	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
6. LOGISTIC SUPPORT SERVICES	260	30	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	(260)	(30)	-
7. TECHNICAL DATA COLLECTION	777	250	250
A. CONSULTING SERVICES	-	-	-
B. OTHER	(777)	(250)	(250)
8. PUBLIC RELATIONS AND ADVERTISING	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
9. OTHER PROFESSIONAL AND MANAGEMENT SERVICES BY CONTRACT	-	-	-
A. CONSULTING SERVICES	-	-	-
B. OTHER	-	-	-
D. CONTRACT ENGINEERING TECHNICAL SERVICES (CETS)	-	-	-
1. CONTRACT PLANT SERVICES	-	-	-
2. CONTRACT FIELD SERVICES	-	-	-
3. FIELD SERVICE REPRESENTATIVES	-	-	-
TOTAL	2,004	1,070	510

APPROPRIATION: OTHER PROCUREMENT, ARMY

DATE: 01/25/62

	FY 1961	FY 1962	FY 1963
E. SUMMARY			
1. PERSONAL SERVICES CONTRACTS	-	-	-
2. CONTRACT CONSULTING SERVICES	-	-	-
3. OTHER CONTRACT SERVICES	2,004	1,070	510
4. PERSONNEL APPOINTMENTS	-	-	-
TOTAL	<u>2,004</u>	<u>1,070</u>	<u>510</u>

**OTHER PROCUREMENT, ARMY**

**NARRATIVE JUSTIFICATION**

**CONSULTANTS, STUDIES AND ANALYSES AND MANAGEMENT SUPPORT CONTRACTS**

1. The use of management support contracts is required in support of the AN/TPQ-36 Mortar Locating Radar and the AN-TPQ-37 Artillery Locating Radar systems. Support services are essential to adequately prepare for and conduct major programs and testing milestones.
2. Failure to contract for these services could result in overall testing and program slippages and/or inadequate preparation for scheduled program milestones. Such eventualities would be costly and would lead to adverse consequences in terms of achieving program objectives.
3. The possibility of conducting the effort in-house was assessed and rejected due to the sporadic nature of the planned effort and the lack of experienced and adequately skilled personnel available to the Program Manager's Office. The proposed contracts will require specific tasks to be accomplished on a quick reaction basis as the need arises. The dynamic nature of a project managed item, with unforeseen and changing requirements surfacing periodically, requires that support outside the project office's staff be provided on a quick turn around basis. It has been determined that the most efficient and cost effective method of obtaining such support is through commercial contracts.

DEPARTMENT OF THE ARMY  
NATIONAL GUARD EQUIPMENT, ARMY

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1983, 1984

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6-1 February 1982

NATIONAL GUARD EQUIPMENT, ARMY

Section 1

Budget Appendix Extract

Language

Program and Financing Schedule

Object Classification Schedule

6-1 February 1962

APPROPRIATION LANGUAGE

For procurement of weapons and tracked combat vehicles for the modernization of the Army National Guard: \$50,000,000 to remain available for obligation until September 30, 1984.

6-2 February 1982



Army

National Guard Equipment, Army

06 FEB 82

Program and Financing (in thousands of dollars)

Identification code	21-2036-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1981 actual	1982 est.	1983 est.	1981 actual	1982 est.	1983 est.
<b>Program by activities:</b>							
<b>Direct:</b>							
10.0001	Total		50,000		25,000	10,000	
<b>Financing:</b>							
21.4001	Unobligated balance available, start of year					-25,000	
24.4001	Unobligated balance available, end of year				25,000	15,000	
40.0001	Budget authority		50,000		50,000		
<b>Relation of obligations to outlays:</b>							
71.0001	Obligations incurred, net				25,000	10,000	
72.4001	Obligated balance, start of year					25,000	
74.4001	Obligated balance, end of year				-25,000	-22,500	
90.0001	Outlays					12,500	

6-3 February 1982

Army

National Guard Equipment, Army

06 FEB 62

Object Classification (in thousands of dollars)

Identification code	21-2036-0-1-051	1961 actual	1962 est.	1963 est.
125.003	Other services:			
	Contracts	.....	10,000	5,000
131.001	Equipment	.....	15,000	5,000
256.301	Total obligations	.....	25,000	10,000

6-4 February 1962

Army

National Guard Equipment, Army

04 FEB 62

Program and Financing (in thousands of dollars)

1962 Fiscal year program

Identification code	21-2036-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1961 actual	1962 est.	1963 est.	1961 actual	1962 est.	1963 est.
Program by activities:							
Direct:							
10.0001	Total	.....	50,000	.....	.....	25,000	10,000
Financing:							
21.4001	Unobligated balance available, start of year	.....	.....	.....	.....	.....	-25,000
24.4001	Unobligated balance available, end of year	.....	.....	.....	.....	25,000	15,000
40.0001	Budget authority	.....	50,000	.....	.....	50,000	.....

6-5 February 1962

DEPARTMENT OF THE ARMY  
PROCUREMENT OF EQUIPMENT AND MISSILES, ARMY

JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1983, 1984

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**Program and Financing Schedule and Object  
Classification Schedule for the Procurement  
of Equipment and Missiles, Army Appropriation**

**7-1 February 1982**

Army

Procurement of Equipment and Missiles, Army

08 FEB 62

Program and Financing (in thousands of dollars)

Identification code	21-2030-0-1-001	Budget plan (amounts for procurement actions programmed)			Obligations		
		1961 actual	1962 est.	1963 est.	1961 actual	1962 est.	1963 est.
Relation of obligations to outlays							
71.0001	Obligations incurred, net						
72.4001	Obligated balance, start of year				5,470	1,621	021
74.4001	Obligated balance, end of year				-1,621	-021	-21
77.0001	Adjustments in expired accounts				700		
00.0001	Outlays				4,610	1,000	000

7-2 February 1962

